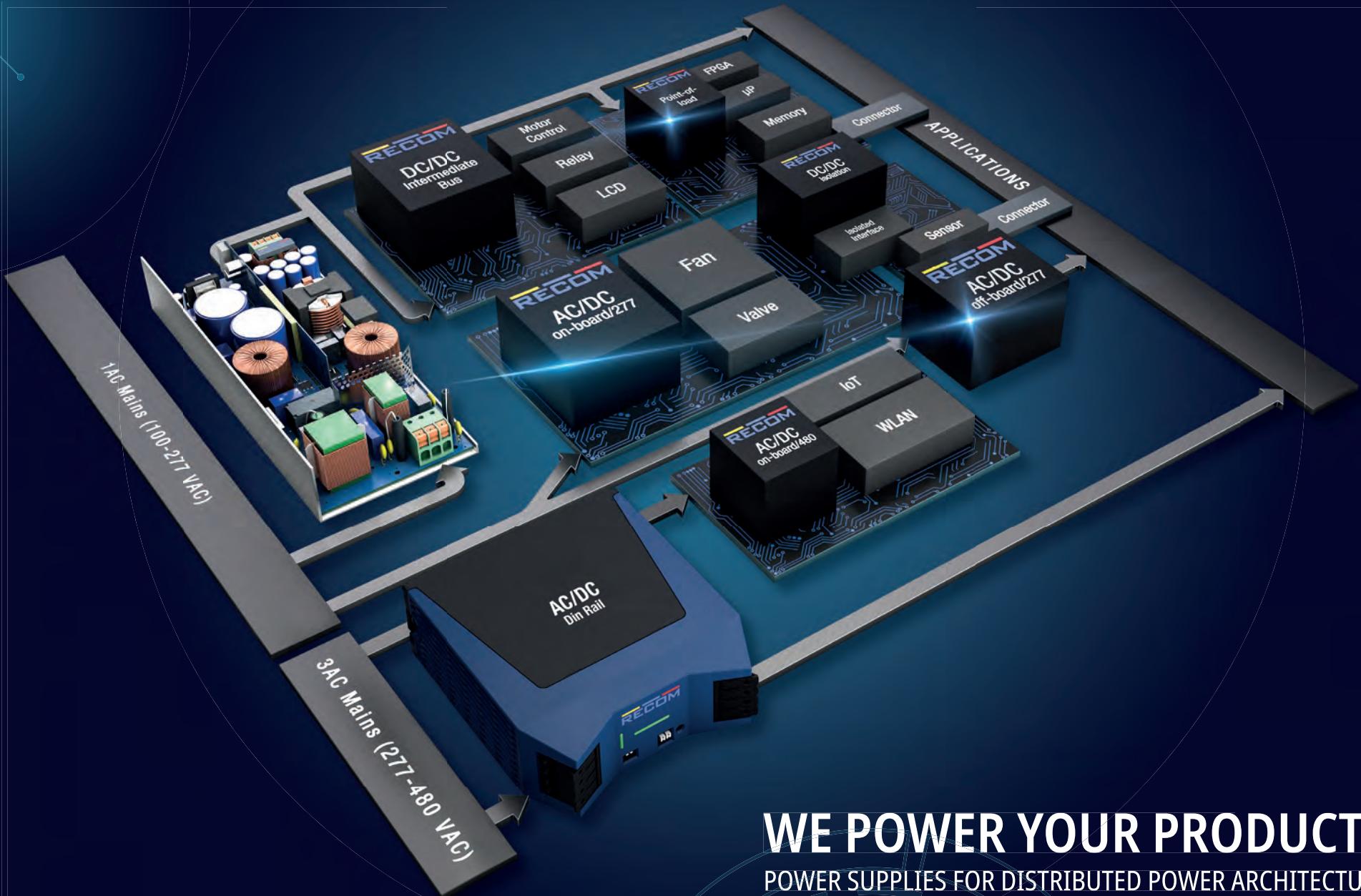


PRODUCT SELECTION GUIDE

AC/DC Converters ■ DC/DC Converters ■ Switching Regulators ■ LED Drivers

RECOM



WE POWER YOUR PRODUCTS
POWER SUPPLIES FOR DISTRIBUTED POWER ARCHITECTURE

POWER SUPPLIES FOR DISTRIBUTED POWER ARCHITECTURE

The Distributed Power Architecture concept enables engineers to develop the power structure of their design flexibly and efficiently, using power converter modules. Therefore, RECOM has evolved AC/DC and DC/DC converters needed for current and future applications in IoT, industry 4.0, smart homes and buildings, energy monitoring, medical, automation, and transportation.

RECOM manufactures a full range of standard and customized DC/DC and AC/DC converters in every power class from sub-1W to tens of kW, apart from switching regulators and LED drivers in a wide selection of formats. The company headquarters are located in Gmunden, Austria, including a state-of-the-art logistics center and laboratory wing, and is supported by a global distribution network. The RECOM name has become synonymous with exceptional quality, integrity, innovation, and excellent customer service.

RECOM: A global manufacturer

Our global network of RECOM – owned factories are located in Italy, Mainland China, Thailand, and Taiwan with numerous subcontractors situated throughout Asia and Europe, enabling us to provide both low cost commercial products as well as custom power solutions quickly and efficiently. RECOM manufacturing and logistics sites are IATF 16949 / ISO 9001 certified, guaranteeing the highest level of quality control.

Innovative

Since our first DC/DC converter came off the production line, RECOM continues to launch innovative new products, often setting new standards within the industry. Over the past four decades, RECOM has become one of the fastest growing power supply manufacturers of standard and customized products in the industry. This is largely due to an exceptional, global team of forward-thinking engineers and technical sales personnel, along with our commitment to high-quality products and responsive customer service.



Efficient

When it comes to efficiency, our aim is to go beyond industry expectations, not only in the performance of our converters, but also by assisting engineers with integrating RECOM products into their designs. We pride ourselves in providing over 35,000 standard products to choose from, thus providing solutions for almost any application. Custom designs are also possible, through our subsidiary company Power Control Systems, as well as directly with RECOM. RECOM is able to provide production samples quickly through our reliable distribution network and can provide guidance with application and EMC issues through our skilled and knowledgeable team of support engineers.



Reliable

Here at RECOM, we understand that reliability is the most critical factor when customers choose third-party power supply products for their applications. All RECOM products are thoroughly tested during development for performance, including rigorous EMC and Highly Accelerated Lifetime Testing (HALT), to identify any design weaknesses before they are released to the market. Due to our thorough development and testing process, whether for eventual mass production or a short-run order custom, we are able to offer a design of up to ten years and provide warranties of up to five years. RECOM continues to meet the highest international standards, backed with certification from international safety agencies.

Certified products:

RECOM offers product safety certifications including CE, EN, UL, CSA, ENEC, and PSE marks to meet our customers' requirements of international safety standards.



Product Selection Guide

AC/DC CONVERTERS

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CUSTOM SOLUTIONS

AC/DC | DC/DC | DC/AC

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AC/DC POWER SUPPLIES

RECOM offers a wide range of AC/DC power supplies with performance and certifications suitable for applications ranging from household to harsh industrial, medical, test and measurement, e-mobility, defence, and building automation for applications such as smart metering, EV chargers, robotics, power electronics, drones, and electrical cabinets. Custom designs are additionally available for any application from RECOM Power Systems and RECOM's subsidiary company LECO.

RECOM AC/DC power supplies utilize the latest design techniques to meet today's demands for safe, efficient, reliable, and cost-effective products with minimized light-load, no-load, and standby losses – all this in the smallest case sizes and

footprints with world-wide input voltage ranges, from 100VAC up to 480VAC and with output powers from 1W up to 1200W.

RECOM offers board mount, SMD-mount, chassis mount, and DIN-rail mount versions for easy integration into existing designs or to allow rapid system power solutions. A special focus is on solutions for fan-less operation, supported by heat sinking base plates for simple thermal system integration of extra high-power density modules. Higher power solutions with liquid cooling are available from 4kW up to 75kW or more are available on request.

The standard catalog on-board and off-board built-in solutions

span powers from 1W to 1200W with convection cooling only. Mechanical formats include fully encapsulated with through-hole board-mount pins, encapsulated with wire connections, open frame with pin connectors, screw terminals or cage clamp connectors, and even in-panel-mounting with an IEC C14 connector. All products meet class B EMC emissions requirements without any additional filtering and have built-in fuses. Medical grade products feature 2MOPP isolation and leakage current performance suitable for BF applications.

The RECOM AC/DC Book of Knowledge provides an insight into the design methodologies used in your choice of AC/DC converter. www.recom-power.com/bok



AC/DC CONVERTERS

PCB MOUNT

- 2 to 65 watts
- Regulated outputs
- OVP and OCP protected
- Low output ripple & noise
- High efficiency over the entire load range
- Optimized stand by mode operation
- Built-in EN55032 class B filter
- Ultra compact size
- Modified standards available

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Dimensions (LxWxH) / Pinning	Certifications	Other Features
 RAC02E-K/277	2	85-305	3.3, 5, 12, 15, 24	4 kVAC / 1min	33.7 x 22.2 x 15.4 mm (1.3" x 0.9" x 0.6")		EN/IEC/UL62368-1 EN/IEC61558-1, 2-16 EN60335-1 Low profile / tiny footprint operating temperature range: -40°C to +90°C with derating, full load power up to 80°C no load power consumption <75mW
 RAC03-K	3	85-264	3.3, 5, 12, 15, 18, 24	3 kVAC / 1 min	28.5 x 23.5 x 17.9 mm (1.1" x 0.9" x 0.7")		EN/IEC/UL62368-1 EN/IEC60335-1 Operating temperature range: -40°C to +80°C household certified tiniest footprint at 3W
 RAC03-K/SMT	3	85-264	3.3, 5, 12, 15, 18, 24	3 kVAC / 1 min	27.7 x 23.7 x 19.0 mm (1.1" x 0.9" x 0.8")		EN/IEC/UL62368-1 EN/IEC60335-1 EN/IEC61558-1, -2 EN62233 Operating temperature range: -40°C to +80°C operating altitude 5000m JEDEC SMT reflow solder-able construction
 RAC03E-K/277	3	85-305	3.3, 5, 12, 15, 24	4 kVAC / 1min	37.0 x 24.0 x 15.4 mm (1.5" x 0.9" x 0.6")		EN/IEC/UL62368-1 EN62233 EN/IEC61558-1, 2-16 EN60335-1 Operating temperature range: -40°C to +85°C OVC III household certified, low profile no load power consumption <75mW
 RAC04-K/277	4	80-305	3.3, 5, 12, 15, 24	4 kVAC / 1 min	36.7 x 27.2 x 17.4 mm (1.4" x 1.0" x 0.7")		EN/IEC/UL60950-1 EN/IEC/UL62368-1 EN/IEC61558-1, 2-16 EN61010-1 EN60335-1 Operating temperature range: -40°C to +90°C household certified 6W peak power extra robust series
 RAC04-G (B or A)	4	85-305	3.3, 5, 9, 12, 15, 24	3 kVAC / 1 min	37.0 x 24.0 x 15.0 mm (1.5" x 0.9" x 0.6")		No load power consumption <75mW, operating temperature range: -40°C to +85°C, low profile and typ. 3W footprint, RAC04-GA: household certified, low leakage current
new  RAC04NE-K/277	4	85-305	5, 9, 12, 15, 24	4.2 kVAC / 1 min	37.0 x 24.0 x 18.0 mm (1.5" x 0.9" x 0.7")		OVC III: up to 3000m altitude, OVC II: 5000m EN55032 class B: floating or grounded output (eg. PELV), 6W peak power for 20s surge ratings 2kV (L-N), 4kV (L-PE) EN/IEC/UL62368-1 EN/IEC60335-1 EN/IEC61558-1, 2-16 EN/IEC61347-1, 2-13 IEC60730, EN62233
 RAC05E-K	5	90-264	5, 12, 15, 24	4.2 kVAC / 1 min	37.0 x 24.0 x 18.0 mm (1.5" x 0.9" x 0.7")		Economical design no load power consumption <100mW industry standard pinout for typ. 3W

AC/DC CONVERTERS

PCB MOUNT

- 2 to 65 watts
- Regulated outputs
- OVP and OCP protected
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- Optimized stand by mode operation
- Built-in EN55032 class B filter
- Ultra compact size
- Modified standards available

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Dimensions (LxWxH) / Pinning	Certifications	Other Features
 RAC05E-KT	5	90-264	4, 5, 12, 15, 24	3 kVAC / 1 min	32.1 x 27.1 x 21.8 mm (1.3" x 1.1" x 0.9")	 EI30	EN/IEC/UL62368-1 EN/IEC60335-1 EN/IEC61558-1, 2-16 Operating temperature range: -25°C to +75°C economical design no load power consumption <100mW EI30 standard transformer pinout
 RAC05-K/277	5	85-305	3.3, 5, 12, 15, 24	4.2 kVAC / 1 min	31.7 x 26.7 x 21.8 mm (1.2" x 1.0" x 0.9")	 EI30	EN/IEC/UL62368-1 EN/IEC60335-1 EN/IEC61558-1, 2-16 OVC III: up to 2000m altitude OVC II: 5000m altitude operating temperature range: -40°C to +90°C 6W peak power
 RAC05-K/480	5	85-528	5, 12, 15	5.4 kVAC / 1 min	52.5 x 27.4 x 23.0 mm (2.1" x 1.1" x 0.9")	 P12	EN/IEC/UL62368-1 IEC/UL61010-1 Phase to phase connections OVC III: up to 3000m altitude operating temperature range: -40°C to 80°C
 RACM06E-K/277	6	80-305	3.3, 5, 12, 15, 18, 24	4 kVAC / 1 min	25.6 x 25.6 x 16.6 mm (1.0" x 1.0" x 0.6")	 P5b	EN/IEC/UL62368-1 ANSI/AAMI ES60601-1 EN/IEC60601-1 EN/IEC60335-1 EN/IEC61558-1 EN62233 2MOPP rated to 5000m; suitable for BF use OVC III: up to 5000m altitude operating temperature range: -40°C to +90°C
 RAC10-K/277	10	85-305	3.3, 5, 12, 15, 18, 24 ±12, ±15	4 kVAC / 1 min	52.5 x 27.4 x 23.0 mm (2.1" x 1.1" x 0.9")	 P12	EN/IEC/UL60950-1 EN/IEC/UL62368-1 EN/IEC60335-1 EN62477-1 OVC III: up to 3000m altitude operating temperature range: -40°C to +80°C 14 watt peak power
 RAC10E-K/277	10	85-305	3.3, 5, 12, 15, 24	4 kVAC / 1 min	45.7 x 25.4 x 21.5 mm (1.8" x 1.0" x 0.8")	 P11	IEC/UL62368-1 EN/IEC61558-1, 2-16 Economical design compact shape OVC III: up to 2000m altitude EMI class B with grounded output (eg. PELV)
 RAC15-K/480	15	85-528	5, 12, 15, 24	3.6 kVAC / 1 min	52.5 x 40.0 x 25.5 mm (2.1" x 1.6" x 0.9")	 P12	EN/IEC/UL62368-1 EN/IEC61010 EN60335-1 Phase to phase connections OVC III: up to 5000m altitude, PD3 and LPS operating temperature range: -40 to +90°C
 RAC15-K/WI	15	18-264	5, 12, 15, 24, 54	4 kVAC / 1 min	52.5 x 40.0 x 25.5 mm (2.1" x 1.6" x 0.9")	 P12	IEC/EN/UL62368 IEC/EN61558 EN60335 Ultrawide AC or DC input operating temperature range: -40 to +85°C OVC III: to 3000m altitude; OVC II: to 5000m

AC/DC CONVERTERS

PCB MOUNT

- 2 to 65 watts
- Regulated outputs
- OVP and OCP protected
- Low output ripple & noise
- High efficiency over the entire load range
- Optimized stand by mode operation
- Built-in EN55032 class B filter
- Ultra compact size
- Modified standards available

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Dimensions (LxWxH) / Pinning	Certifications	Other Features
 RACM16E-K/277	16	85-305	3.3, 5, 12, 15, 24, 30	4 kVAC / 1 min	52.7 x 27.6 x 23.0 mm (2.1" x 1.1" x 0.9")		ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-2-16 Operating temperature range: -40°C to +85°C 2MOPP rated to 5000m; suitable for BF use CV/CC over load limiting characteristics OVC III: up to 4000m altitude; OVC II: 5000m
 RAC20-K(/277)	20	85-264 (/277) 85-305	5, 12, 15, 24, 48 ±12, ±15	3 kVAC / 1 min	52.5 x 27.4 x 23.0 mm (2.1" x 1.1" x 0.9")		EN/IEC/UL62368-1 IEC/EN60335-1 IEC/EN61558-1, 2-16 Standby mode optimized PSU (ENER Lot 6) ultra-high efficiency over entire load range
 RAC20E-K/277	20	85-305	5, 12, 24	4 kVAC / 1 min	52.7 x 27.6 x 23.0 mm (2.1" x 1.1" x 0.9")		Economical design, EN55032 class B: with grounded output (eg. PELV) OVC III: up to 2000m altitude, OVC II: 5000m operating temperature: -40 to 90°C
new  RAC20NE-K/277(CC, /HT, or /400)	20	85-305	12, 24, 36, ±12	4 kVAC / 1 min	52.7 x 27.6 x 23.0 mm (2.1" x 1.1" x 0.9") 52.5 x 40.0 x 25.5 mm (2.1" x 1.6" x 0.9")		100-277 or 400VAC and DC input ratings surge ratings 2kVAC (L-N), 4kV against FE OVC III: up to 3000m altitude, EN55032 class B: floating or grounded output (eg. PELV)
 RAC25-K/480	25	85-528	5, 12, 15, 24	3.6 kVAC / 1 min	83.2 x 46.4 x 30.4 mm (3.3" x 1.8" x 1.2")		Phase to phase connections OVC III: up to 5000m altitude, PD3 and LPS operating temperature range: -40°C to +90°C
 RACM30-K/277	30	85-305	5, 12, 15, 24, 36, 48, 54 ±12, ±15	4 kVAC / 1 min	52.5 x 40.0 x 25.5 mm (2.1" x 1.6" x 0.9")		ANSI/AAMI ES60601-1 EN/IEC/UL62368-1 EN60335-1, EN62233 IEC/EN60601-1 IEC/EN61558-2 2MOPP rated to 5000m; suitable for BF use OVC III: up to 5000m, PD3 and LPS, operating temperature range: -40°C to +90°C, EN55032 class B: with grounded output (eg. PELV)
 RACM40-K	40	80-264	5, 12, 15, 18, 24, 36, 48	4 kVAC / 1 min	83.2 x 46.4 x 30.4 mm (3.2" x 1.8" x 1.2")		ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-1, 2-16 2MOPP rated to 5000m; suitable for BF use operating temperature range: -40°C to +85°C OVC II: 5000m altitude; OVC III: 2000m EN55032 class B: with grounded output (PELV)
 RACM40-K/OF(/PCB)	40	80-264	5, 12, 15, 18, 24, 36, 48	4 kVAC / 1 min	78.3 x 40.6 x 25.5 mm (OF) (3.0" x 1.6" x 1.0") 78.3 x 40.6 x 29.1 mm (PCB) (3.0" x 1.6" x 1.1")		ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-1, 2-16 Operating temperature range: -40°C to +85°C optional 2"x3" package (OF/2"x3") OVC II: 5000m altitude; OVC III: 2000m 2MOPP rating; suitable for BF use

This Selection Guide represents only the latest most popular products of our portfolio. Please check www.recom-power.com for additional products.

AC/DC CONVERTERS

PCB MOUNT

- 2 to 65 watts
- Regulated outputs
- OVP and OCP protected
- Low output ripple & noise
- High efficiency over the entire load range
- Optimized stand by mode operation
- Built-in EN55032 class B filter
- Ultra compact size
- Modified standards available

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Dimensions (LxWxH) / Pinning	Certifications	Other Features	
 CERTIFIED MEDICAL	RACM60-K/OF/PCB	60	80-264	5, 12, 15, 24, 36, 48	4.8 kVAC / 1 min	78.4 x 53.0 x 35.4 mm (3.0" x 2.0" x 1.4")	ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-1, 2-16	2MOPP rated to 4000m; suitable for BF use operating temperature range: -40°C to +85°C OVC II: 5000m altitude; OVC III: 2000m
 COMING SOON	RACM65S-K/277	65	80-305	5, 12, 15, 24, 36, 52	4 kVAC / 1 min	52.5 x 40.0 x 25.5 mm (2.1" x 1.6" x 0.9")	P 12 ANSI/AAMI ES60601-1 EN/IEC62368-1 EN/IEC61558-1, 2-16 EN60335-1 EN/IEC60601-1	2MOPP rated to 4000m; suitable for BF use operating temperature range: -40°C to +85°C OVC II: 5000m altitude; OVC III: 3000m

AC/DC CONVERTERS

CHASSIS MOUNT

- 3 to 1200 watts
- Short circuit protection
- Built-in active PFC
- Built-in class B filter
- Different package types:
enclosed and open-frame (/OF) versions
- Modified standards available

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
 RAC03-SER/277	3	85-305	3.3, 5, 12, 24	3 kVAC / 1 min	50.3 x 50.3 x 11.0 mm (2.0" x 2.0" x 0.4")	EN/IEC/UL60950-1 EN60335-1	Extra low footprint <11mm low no load power consumption <40mW operating temperature range: -40°C to +85°C round design with flying wires for flush mount
 new RAC04NE-K/277/W	4	85-305	5, 9, 12, 15, 24	4.2 kVAC / 1 min	37.8 x 24.0 x 18.7 mm (1.5" x 0.9" x 0.7")	EN/IEC/UL62368-1 EN/IEC60335-1 EN/IEC61558-1, 2-16 EN/IEC61347-1, 2-13 IEC60730, EN62233	OVC III: up to 3000m altitude, OVC II: 5000m EN55032 class B: floating or grounded output (eg. PELV) 6W peak power for 20s surge ratings 2kV (L-N), 4kV (L-PE)
 RAC05-K/277/W	5	85-305	3.3, 5, 12, 15, 24	4.2 kVAC / 1 min	31.7 x 26.7 x 21.8 mm (1.2" x 1.0" x 0.9")	EN/UL62368-1 EN/IEC60335-1 EN/IEC61558-1 EN/IEC61558-2-16	OVC III: up to 2000m altitude operating temperature range: -40°C to +90°C 6W peak power
 RAC05-K/C14	5	85-264	3.3, 5, 12, 15, 24	3 kVAC / 1 min	67.0 x 48.0 x 23.0 mm (2.6" x 1.9" x 0.9")	EN/IEC/UL62368-1 EN/IEC60950-1	Isolated power supply with integrated mains filter, safe, touchable DC outputs easy installation worldwide standard IEC input
 COMING SOON RAC15-K/WI/W	15	18-264	5, 12, 24	4 kVAC / 1 min	52.5 x 40.0 x 25.5 mm (2.1" x 1.6" x 0.9")	IEC/EN/UL62368 IEC/EN1558 EN60335	Ultrawide AC or DC input operating temperature range: -40 to +85°C OVC III: to 3000m altitude; OVC II: to 5000m
 CERTIFIED MEDICAL RACM15E-K/OF	15	80-264	3.3, 5, 12, 15, 24, 30	4 kVAC / 1 min	80.0 x 23.8 x 22.0 mm (3.2" x 0.9" x 0.8")	ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-2-16	Operating temperature range: -40°C to +85°C OVC III: up to 3000m altitude 2MOPP rated to 5000m; suitable for BF use CV/CC over load limiting characteristics
 new RACM15E-K/PMAD	15	80-264	3.3, 5, 12, 15, 24, 30	4 kVAC / 1 min	83.0 x 26.4 x 29.5 mm (3.2" x 1.0" x 1.2")	ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-2-16	Operating temperature range: -40°C to +85°C OVC III: up to 3000m altitude, OVC II: 5000m 2MOPP rated to 5000m; suitable for BF use CV/CC over load limiting characteristics
 CERTIFIED MEDICAL RACM16E-K/277/W	16	85-305	3.3, 5, 12, 15, 24, 30	4 kVAC / 1 min	52.7 x 27.6 x 23.0 mm (2.1" x 1.1" x 0.9")	ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-2-16	Operating temperature range: -40°C to +85°C 2MOPP rated to 5000m; suitable for BF use OVC III: up to 3000m altitude CV/CC over load limiting characteristics

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AC/DC CONVERTERS

CHASSIS MOUNT

- 3 to 1200 watts
- Short circuit protection
- Built-in active PFC
- Built-in class B filter
- Different package types:
enclosed and open-frame (/OF) versions
- Modified standards available

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
RAC20-K/W	20	85-264 (/277) 85-305	5, 12, 15, 24, 48	3 kVAC / 1 min	52.5 x 27.4 x 23.0 mm (2.1" x 1.1" x 0.9")	EN/IEC/UL62368-1 IEC/EN60335-1 IEC/EN61558-1 IEC/EN61558-2-16	Standby mode optimized PSU (ENER Lot 6) ultra-high efficiency over entire load range /277/W version on request
new RAC20NE-K/277/OF	20	85-305	12, 24, 36, ±12	4 kVAC / 1 min	80.0 x 23.8 x 22.5 mm (3.2" x 0.9" x 0.8")	IEC/EN/UL62368 IEC/EN61558 EN60335	Surge ratings 2kVAC (L-N), 4kV against FE OVC III: up to 3000m altitude, operating tem- perature range: -40°C up to +85°C, EN55032 class B: floating or grounded output (eg. PELV)
CERTIFIED MEDICAL RACM30-K/277(/W) (-/OF) (/PMA)	30	85-305	5, 12, 15, 24, ±12, ±15	4 kVAC / 1 min	52.5 x 40.0 x 25.5 mm (W) (2.1" x 1.6" x 0.9") 84.7 x 40.0 x 33.0 mm (PMA) (3.3" x 1.6" x 1.3")	UL/EN/IEC62368-1 EN60335-1 EN62233 EN/IEC60601-1 EN/IEC61558-2	OVC III: up to 5000m altitude, PD3 and LPS operating temperature range: -40°C up to +90°C /PMA: panel mount version with push-in terminals 2MOPP rated to 5000m; suitable for BF use
CERTIFIED MEDICAL RACM40-K/OF	40	80-264	5, 12, 15, 18, 24, 36, 48	4 kVAC / 1 min	78.3 x 40.6 x 25.5 mm (OF) (3.0" x 1.6" x 1.0") 78.3 x 53.0 x 25.5 mm (2x3") (3.0" x 2.0" x 1.0")	ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-1, 2-16	OVC III: up to 2000m altitude; OVC II: 5000m operating temperature range: -40°C to +85°C 2MOPP rated to 5000m; suitable for BF use
CERTIFIED MEDICAL RACM60-K/OF (-/ENC/2x4) (-/277/OF)	60	80-264 80-305 (/277/OF)	5, 12, 15, 24, 36, 48	4.8 kVAC / 1 min	78.4 x 53.0 x 31.5 mm (OF) (3.0" x 2.0" x 1.2") 101.6 x 53.0 x 31.5 mm (2x4") (4.0" x 2.0" x 1.2")	ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-1, 2-16	Operating temperature range: -40°C to +85°C OVC III: up to 2000m altitude; OVC II: 5000m 2MOPP rated to 4000m; suitable for BF use
COMING SOON RACM65S-K/277/OIB	65	80-305	5, 12, 15, 24, 36, 52	4 kVAC / 1 min	79.0 x 40.8 x 27.5 mm (3.1" x 1.6" x 1.1")	ANSI/AAMI ES60601-1 EN/IEC62368-1 EN/IEC61558-1, 2-16 EN60335-1 EN/IEC60601-1	2MOPP rated to 4000m; suitable for BF use operating temperature range: -40°C to +85°C OVC II: 5000m; OVC III: 3000m, EN55032 class B: floating or grounded output (eg. PELV)
CERTIFIED MEDICAL RACM90-K/OF (-/ENC)	90	85-264	12, 15, 24, 36, 48	4 kVAC / 1 min	101.6 x 50.8 x 32.0 mm (OF) (4.0" x 2.0" x 1.3") 118.3 x 62.7 x 38.7 mm (ENC) (4.6" x 2.4" x 1.5")	ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-1, 2-16	Operating temperature ratings: -40 to 90°C, low leakage current <75µA, LPS limited power source rated, 2MOPP rated to 4000m; suitable for BF use, OVC III: up to 2000m
CERTIFIED MEDICAL RACM130E-K/OF (-/ENC)	130	85-264	12, 15, 24, 36, 48	4 kVAC / 1 min	101.6 x 50.8 x 32.0 mm (OF) (4.0" x 2.0" x 1.3") 118.3 x 62.7 x 38.7 mm (ENC) (4.6" x 2.4" x 1.5")	ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-1, 2-16	2MOPP rated to 4000m; suitable for BF use low leakage current <75µA operating temperature ratings: -40 to 90°C OVC III: up to 2000m altitude; OVC II: 4000m

AC/DC CONVERTERS

CHASSIS MOUNT

- 3 to 1200 watts
- Short circuit protection
- Built-in active PFC
- Built-in class B filter
- Different package types:
enclosed and open-frame (/OF) versions
- Modified standards available

Series		Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
	RACM140E-K/OF (/ENC)	140	80-264	12, 15, 24, 36, 48	4 kVAC / 1 min	147.0 x 81.5 x 38.0 mm (OF) (5.7" x 3.2" x 1.5") 147.0 x 81.5 x 40.0 mm (ENC) (5.7" x 3.2" x 1.6")	EN/IEC60601-1 ANSI/AAMI ES60601-1 EN/IEC62368-1	Operating temperature range: -40°C to +90°C 2MOPP rated to 4000m, suitable for BF use 210W boost power OVC III: up to 2000m altitude; OVC II: 5000m
	RAC150-G/OF (/ENC)	150	90-264	12, 24, 48	3 kVAC / 1 min	101.6 x 50.8 x 30.0 mm (OF) (4.0" x 2.0" x 1.2") 105.0 x 62.0 x 35.0 mm (ENC) (4.1" x 2.4" x 1.4")	EN/IEC/UL62368-1	Efficiency up to 91% SCP and OVP protection output 125W at +50°C with natural convection
	RACM150S-K/277/OF (/ENC)	150	80-305	12, 15, 24, 36, 48	4 kVAC / 1 min	80.5 x 50.8 x 36.2 mm (OF) (3.2" x 2.0" x 1.4") 95.0 x 57.0 x 38.0 mm (ENC) (3.7" x 2.2" x 1.5")	ANSI/AAMI ES60601-1 EN/IEC62368-1 EN/IEC61558-1, 2-16 EN60335-1 EN/IEC60601-1	Operating temperature range: -40°C to +90°C 2MOPP rated to 4000m, suitable for BF use 225W boost power for 10s OVC III: up to 2000m altitude; OVC II: 5000m
	RACM230-G/OF (/ENC)	160 / 230	80-264	12, 24, 36, 48, 54	4 kVAC / 1 min	101.6 x 50.8 x 32.0 mm (OF) (4.0" x 2.0" x 1.3") 105.0 x 62.0 x 35.0 mm (ENC) (4.1" x 2.4" x 1.4")	ANSI/AAMI ES60601-1 EN/IEC62368-1 EN60335-1 EN/IEC60601-1 EN/IEC61558-1, 2-16	160W conduction-cooled, fan-less operation wide operating temperature range: -40°C to +80°C 2MOPP rated to 5000m; suitable for BF use
	RACM240-K/277/OF (/ENC)	240	80-305	12, 15, 24, 36, 48, 54	4.2 kVAC / 1 min	105.2 x 50.8 x 36.0 mm (OF) (4.1" x 2.0" x 1.4") 120.6 x 60.0 x 38.0 mm (ENC) (4.7" x 2.4" x 1.5")	ANSI/AAMI ES60601-1 EN/IEC62368-1 EN/IEC61558-1, 2-16 EN60335-1 EN/IEC60601-1	Operating temperature range: -40°C to +90°C 2MOPP rated to 4000m, suitable for BF use 330W boost power for 10s OVC III: up to 2000m altitude; OVC II: 5000m
	RACM550-G/OF (/ENC)	300 / 550	80-264	24, 36, 48, 56	4 kVAC / 1 min	127.0 x 76.0 x 38.0 mm (OF) (5.0" x 3.0" x 1.5") 150.0 x 87.0 x 45.0 mm (ENC) (5.9" x 3.4" x 1.8")	ANSI/AAMI ES60601-1 EN/IEC62368-1 EN/IEC60335-1 EN/IEC60601-1 EN/IEC61558-1, 2-16	300W conduction-cooled, fan-less operation 550W peak power or forced air rating 2MOPP rated to 5000m; suitable for BF use 5VSB auxiliary and 12V fan outputs
	RACM600-L/OF	600	80-275	12*, 24, 48*	4 kVAC / 1 min	196.8 x 101.6 x 40.6 mm (7.7" x 4.0" x 1.6")	EN/IEC/UL2368-1 ANSI/AAMI ES60601-1 EN/IEC60601-1	450W convection cooled, 600W peak power 5VSB auxiliary output active current sharing PMB monitoring, *800W peak power
	RACM1200-V	1200	80-264	24, 36, 48	4 kVAC / 1 min	228.0 x 96.2 x 40.0 mm (9.0" x 3.8" x 1.6")	ANSI/AAMI ES60601-1 EN/IEC/UL62368-1 EN/IEC60601-1 EN/IEC61558-1, 2-16	Operating temperature range: -40°C to +80°C optional PMBus version (/PMB) conduction cooled, fanless operation modified standards available

This Selection Guide represents only the latest most popular products of our portfolio. Please check www.recom-power.com for additional products.

AC/DC CONVERTERS

1AC DIN-RAIL POWER SUPPLIES

- 15 to 480 watts
- Low output ripple & noise
- Overcurrent protection (OCP)
- Overtemperature protection (OTP)
- Short circuit protection (SCP)
- Overvoltage protection (OVP)
- Low weight, slim design
- Built-In constant current circuit
- Adjustable outputs
- Emission standard EN61000-6-4 class B
- Immunity standard EN61000-6-2
- High efficiency over the entire load range

Series		Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Case / Dimensions (HxWxD)	Certifications	Other Features	
		REDIIN120	120	90-264	12, 24, 48	3 kVAC / 1 min	123.6 x 30 x 116.8 mm (4.9" x 1.2" x 4.6")	EN/IEC/UL62368-1 EN/IEC/UL61010-1 EN/IEC/UL/CSA61010-2-201	Operating temperature range: -30°C to +70°C cold start -40°C width only 30mm, low weight 450g no load power consumption <0.21W
		REDIIN240	240	90-264	24, 48	3 kVAC / 1 min	123.6 x 40 x 116.8 mm (4.9" x 1.6" x 4.6")	EN/IEC/UL62368-1 EN/IEC/UL61010-1 EN/IEC/UL/CSA61010-2-201	Operating temperature range: -30°C to +70°C cold start -40°C width only 40mm, low weight 620g no load power consumption <0.3W
		REDIIN480	480	90-264	24, 48	3 kVAC / 1 min	123.6 x 56 x 116.8 mm (4.9" x 2.2" x 4.6")	EN/IEC/UL62368-1 EN/IEC/UL61010-1 EN/IEC/UL/CSA61010-2-201	Operating temperature range: -30°C to +70°C cold start -40°C, active PFC >0.93 width only 30mm, low weight 870g no load power consumption <0.75W
BUILDING AUTOMATION									
		RACM15E-K/PMAD	15	80-264	3.3, 5, 12, 15, 24, 30	4 kVAC / 1 min	83.0 x 26.4 x 29.5 mm (3.2" x 1.0" x 1.2")	ANSI/AAMI ES60601-1 EN/IEC60335-1 EN/IEC62368-1 EN/IEC60601-1 EN/IEC61558-2-16	Operating temperature range: -40°C to +85°C OVC III up to 3000m altitude, OVC II: 5000m 2MOPP rated to 5000m; suitable for BF use CV/CC over load limiting characteristics
new		RAC20NE-K/277(/CC)/EPID	20	85-305	5, 12, 24*, 36	4 kVAC / 1 min	83.0 x 26.4 x 29.5 mm (3.2" x 1.0" x 1.1")	IEC/EN/UL62368 IEC/EN61558 EN60335	Operating temperature range: -40°C to +85°C surge immunity 2kVAC: L-N, 4kV against FE or PE, OVC III: up to 3000m altitude, IP40 pro- tected, *CC suffix for constant current operation

AC/DC CONVERTERS

3AC DIN-RAIL POWER SUPPLIES

- Input voltage range 3AC 320V to 576V
- DC input voltage range 450V to 850V
- Easy to connect: 25° push-in connectors
- Fast replacement without tools
- PFC up to 0.93 and active inrush current limit
- Highest efficiency up to 96.9%
- Ta -40°C/+70°C, full power at +60°C
- Extra power 120%/45°C, boost 150%/5s
- Easy fuse tripping
- Highest lifetime expectancy 80kh/40°C
- Extended surge immunity 2.5kV / 6kV
- Battery charging, parallel operation

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Case / Dimensions (DxHxW)	Certifications	Other Features	
new 	RACPRO1-T240	240	3AC 320V-576V	24	4.2 kVDC	125.0 x 135.0 x 43.0 mm (4.9" x 5.3" x 1.7")	EN/IEC/UL62368-1 EN/IEC/UL61010-1 EN/IEC/UL/CSA61010-2-201	Reduced no load power consumption return voltage immunity >35V adjustable output voltage and DC OK signal width only 43mm, low weight 500g
new 	RACPRO1-T480	480	3AC 320V-576V	24, 48	4.2 kVDC	140.0 x 135.0 x 52.0 mm (5.5" x 5.3" x 2.0")	EN/IEC/UL62368-1 EN/IEC/UL61010-1 EN/IEC/UL/CSA61010-2-201	Reduced no load power consumption return voltage immunity >35V adjustable output voltage and DC OK signal width only 52mm, low weight 800g
new 	RACPRO1-T960	960	3AC 320V-576V	24, 48	4.2 kVDC	140.0 x 135.0 x 80.0 mm (5.5" x 5.3" x 3.1")	EN/IEC/UL62368-1 EN/IEC/UL61010-1 EN/IEC/UL/CSA61010-2-201	Reduced no load power consumption return voltage immunity >35V adjustable output voltage and DC OK signal width only 80mm, low weight 1600g

AC/DC ACCESSORIES

E-FUSES

- Easy to connect: 25° push-in connectors
- Fast installation without tools
- Start-up delay adjustable by switch to preserve the output of the PSU
- Manual handling by push button for every channel with button lock
- Adjustable power limitation and load indication by LED
- Output hiccup or tripping mode adjustable
- Daisy chaining with multiple modules and easy wiring
- Overload behavior with priority channel

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (DxHxW)	Certifications	Other features	
new 	RACPRO1-4SP/24V/5A	480	19-28	24	N/A	58.0 x 109.0 x 72.0 mm (2.3" x 4.3" x 2.8")	EN/IEC/UL62368-1 EN/IEC/UL61010-1 EN/IEC/UL/CSA61010-2-201	NEC class 2 option adjustable by switch start against highest capacitive loads highest lifetime expectancy 80kh/40°C intuitive user handling UVLO
new 	RACPRO1-4SP/24V/10A	960	19-28	24	N/A	58.0 x 111.0 x 72.0 mm (2.3" x 4.4" x 2.8")	EN/IEC/UL62368-1 EN/IEC/UL61010-1 EN/IEC/UL/CSA61010-2-201	Start against highest capacitive loads highest lifetime expectancy 80kh/40°C intuitive user handling UVLO

AC/DC ACCESSORIES

REDUNDANCY DIODES

- Streamlined performance with push-in connectors in 25° design
- Fast installation with tool-less mounting and demounting
- Minimum power loss with MOSFET technology
- Load sharing for parallel use
- n+1 redundancy operation
- Slim design only 43mm
- Highest lifetime expectancy 80kh/40°C
- Suitable for all power supplies
- Separate Input (-) connector included

Series	Current (A)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (DxHxW)	Certifications	Other Features
 RACPRO1-RD20	2 x 10A	9-56	12, 24, 48	N/A	125.0 x 135.0 x 43.0 mm (4.9" x 5.3" x 1.7")	EN/IEC/UL62368-1 EN/IEC/UL61010-1 EN/IEC/UL/CSA61010-2-201	Universal input for parallel operation on 12V, 24V, and 48V power supplies input current 2 * 10A, output current 20A, easy daisy chaining with integrated (-) connector
 RACPRO1-RD40	2 x 20A	9-56	12, 24, 48	N/A	125.0 x 135.0 x 43.0 mm (4.9" x 5.3" x 1.7")	EN/IEC/UL62368-1 EN/IEC/UL61010-1 EN/IEC/UL/CSA61010-2-201	Universal input for parallel operation on 12V, 24V, and 48V power supplies input current 2 * 20A, output current 40A, easy daisy chaining with integrated (-) connector

DC/DC CONVERTERS

RECOM has offered isolated DC/DC converters and non-isolated switching regulators since 1975 and has the most extensive range on the market.

The standard range of isolated converters spans from 0.25W to 300W with higher power to several kW, available in RECOM's subsidiary PCS as custom products based on proven platform designs. Almost every imaginable format of converter is offered, with a range of through-hole products, open, or encapsulated surface-mount types in gullwing or pinless variants along with wired, screw terminal, and connectorized parts, mostly in industry-standard SIP, DIP, brick, and SMD formats. In addition to the standard portfolio, customized solutions are also available. Fixed and wide input isolated converters are available up to 16:1 with isolation ratings up to 20kVDC and certifications

to the highest 2MOPP medical grade. Unregulated and fully regulated parts are offered with variants featuring up to three outputs. For the **most cost-sensitive applications** without sacrificing quality, the RECOM K line provides the best value.

Non-isolated parts are available, ranging from 0.18W to 3kW and higher for custom designs from PCS. Input voltage ranges span 0.65V to 75V with some parts handling a 15:1 variation. Buck, boost, and buck-boost types have fixed or settable output voltages over a wide range from 0.8V to 60V. The package formats include SIP3/4/12, SMD, and brick. Open frame and encapsulated types are available.

Many SMT parts feature RECOM's innovative **3D Power Packaging®** technology which utilizes advanced techniques

to leverage the third dimension for maximum power density with minimum footprint. Typical construction methods are overmolded lip-chip on leadframe for a QFN package, embedded die in substrates, and complex multi-layer PCBs with plugged and blind vias. Chip and wire bonding with over-molding is another technique used with very high-frequency planar magnetics for optimal thermal and functional performance. The result is a range of fully featured, high power density, low-cost switching regulators, and isolated DC/DC converters in footprints down to 2x1.5mm with heights down to 1mm.

The RECOM DC/DC Book of Knowledge gives an insight into the design methodologies used in your choice of DC/DC converter. www.recom-power.com/bok



DC/DC CONVERTERS

UNREGULATED

- 0.25 to 3 watts
- Isolation voltages up to 20kVDC
- Industry standard pinout
- Economical designs available
- (/E) – high efficiency
- (/H) – high isolation
- (-R) – tape & reel packaging
- (/P) – short circuit protection
- Single (S), dual (D)
- Modified standards available

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
 R0.25S (/E) R0.25D (DA)	0.25	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24, 5/5, 12/12	1 or 3 kVDC / 1 s	SMD 12.75 x 10.7 x 6.7 mm (S) (0.5" x 0.4" x 0.3") 15.24 x 10.7 x 6.7 mm (D) (0.6" x 0.4" x 0.3")	EN/IEC/UL60950-1	Isolated independent dual outputs (A) operating temperature range: -40°C to +100°C
 RM	0.25	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15	1 or 2 kVDC / 1 s	SIP4 11.5 x 6.0 x 10.0 mm (0.5" x 0.2" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C higher isolation requirement 2kVDC
 R0.5S R0.5D	0.5	3.3, 5, 12, 24	5, 12, 15, ±5, ±12, ±15	1 or 3 kVDC / 1 s	SMD 12.75 x 10.7 x 6.7 mm (S) (0.5" x 0.4" x 0.3") 15.24 x 10.7 x 6.7 mm (D) (0.6" x 0.4" x 0.3")	UL60950-1	Operating temperature range: -40°C to +100°C
 ROL	0.5	5, 12	5, 12, 15	1 or 2 kVDC / 1 s	SIP4 11.5 x 6.0 x 10.0 mm (0.5" x 0.2" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C
 R1DA	1	3.3, 5, 9, 12, 15, 24	3.3/3.3, 5/5, 9/9, 12/12, 15/15	1 kVDC / 1 s	SMD 15.24 x 10.7 x 7.0 mm (0.6" x 0.4" x 0.3")	EN/UL60950-1	Isolated independent dual outputs operating temperature range: -40°C to +100°C
 R1S (/E) R1D	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1 or 3 kVDC / 1 s	SMD 12.75 x 10.7 x 7.0 mm (S) (0.5" x 0.4" x 0.3") 15.24 x 10.7 x 7.0 mm (D) (0.6" x 0.4" x 0.3")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +100°C economical design available (R1SE, R1SE/H2)
 R1SE	1	5	5	1 kVDC / 1 s	SMD 12.75 x 10.7 x 6.7 mm (0.5" x 0.4" x 0.3")	UL60950-1	Operating temperature range: -40°C to +85°C economical design
 R1SE/H2	1	3.3, 5, 12, 15	5, 12, 15	2 kVDC / 1 s	SMD 12.75 x 10.7 x 7.0 mm (0.5" x 0.4" x 0.3")	UL60950-1	Operating temperature range: -40°C to +100°C economical design

DC/DC CONVERTERS

UNREGULATED

- 0.25 to 3 watts
- Isolation voltages up to 20kVDC
- Industry standard pinout
- Economical designs available
- (/E) – high efficiency
- (/H) – high isolation
- (-R) – tape & reel packaging
- (/P) – short circuit protection
- Single (S), dual (D)
- Modified standards available

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
 R1SX R1DX	1	3.3, 5, 12	3.3, 5 ±5, ±9, ±12, ±15	1 or 3 kVDC / 1 s	SMD 12.75 x 10.8 x 5.8 mm (S) (0.5" x 0.4" x 0.2") 15.24 x 10.7 x 8.5 mm (D) (0.6" x 0.4" x 0.3")	EN/IEC/UL62368-1 UL60950-1	Operating temperature range: -40°C to +100°C pin compatible with R1S/R1D series economical design
 RAM	1	5, 12, 24	5	3.75 or 5 kVDC / 1 s	SMD 18.0 x 9.0 x 6.7 mm (0.7" x 0.3" x 0.2")	EN60950-1	Operating temperature range: -40°C to +100°C very low isolation capacitance (4pF)
 RB (/E)	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1 or 2 kVDC / 1 s	SIP7 19.6 x 6.0 x 10.2 mm (0.8" x 0.2" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C economical design available (RBE)
 RBE	1	5	5	1 kVDC / 1 s	SIP7 19.6 x 6.0 x 10.2 mm (0.8" x 0.2" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C industry standard economical design
 RBM	1	5, 12	5, 12, 15, ±5, ±12, ±15	3 kVDC / 1 s	SIP6 Micro 16.55 x 6.0 x 7.7 mm (0.7" x 0.2" x 0.3")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C
 RE	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1 or 2 kVDC / 1 s	SIP7 19.6 x 6.0 x 10.2 mm (0.8" x 0.2" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C economical design available (REE)
 REE	1	5	5	1 kVDC / 1 s	SIP7 19.6 x 6.0 x 10.2 mm (0.8" x 0.2" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C industry standard economical design
 REM1	1	3.3, 5, 12, 15, 24	3.3, 5, 12	5.2 kVDC / 1 min 4 kVAC / 1 min	SIP7 19.6 x 6.0 x 10.2 mm (0.8" x 0.2" x 0.4")	ANSI/AAMI ES60601-1 EN62368-1 EN/IEC60601-1 IEC/EN60601-1-2	Reinforced isolation for 250VAC working voltage CF rated outputs, 5000m altitude operating temperature range: -40°C to +90°C

This Selection Guide represents only the latest most popular products of our portfolio. Please check www.recom-power.com for additional products.

DC/DC CONVERTERS

UNREGULATED

- 0.25 to 3 watts
- Isolation voltages up to 20kVDC
- Industry standard pinout
- Economical designs available
- (/E) – high efficiency
- (/H) – high isolation
- (-R) – tape & reel packaging
- (/P) – short circuit protection
- Single (S), dual (D)
- Modified standards available

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
 RFB	1	5	5	1 kVDC / 1 s	SIP7 19.6 x 6.0 x 10.2 mm (0.7" x 0.2" x 0.4")	UL60950-1	1:1 input voltage range economical design
 RFM	1	5	5	1 kVDC / 1 s	SIP4 11.5 x 6.0 x 10.0 mm (0.4" x 0.2" x 0.4")	UL60950-1	Industry standard pinout economical design
 RFMM	1	5	5	4 kVDC / 1 s	SIP7 19.65 x 7.05 x 10.2 mm (0.7" x 0.3" x 0.4")	UL60950-1	Industry standard pinout economical design
 RK (/H) RH	1	5, 12, 15, 24	5, 9, 12, 15, ±5, ±9, ±12, ±15, +15/-9	3 or 4 kVDC / 1 s	SIP7 19.65 x 6.0 x 10.2 mm (0.8" x 0.2" x 0.4") 19.65 x 7.05 x 10.2 mm (/H) (0.8" x 0.3" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +90°C economical design available (RKE)
 RK/H6 RH/H6	1	5, 12, 15, 24	3.3, 5, 12, 15, ±3.3, ±5, ±12, ±15	6.4 kVDC / 1 s	SIP7 19.65 x 7.05 x 10.2 mm (0.8" x 0.3" x 0.4")	IEC/UL60950-1 IEC62368-1	Operating temperature range: -40°C to +90°C high capacitive load capability
 RKK	1	5	5	4 kVDC / 1 s	SIP7 19.6 x 6.0 x 10.2 mm (0.7" x 0.2" x 0.4")	EN/IEC/UL62368-1	Operating temperature range: -40°C to +105°C efficiency up to 82%
 RKE/H	1	5, 12, 24	5	4 kVDC / 1 s	SIP7 19.6 x 7.05 x 10.2 mm (0.8" x 0.3" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C high isolation economical design
 RNM	1	3.3, 5, 12, 15	3.3, 5, 9, 12, 15	1 or 2 kVDC / 1 s	DIP6 8.3 x 8.3 x 6.8 mm (0.3" x 0.3" x 0.3")	EN/IEC/UL60950-1	Ultra compact design operating temperature range: -40°C to +85°C

DC/DC CONVERTERS

UNREGULATED

- 0.25 to 3 watts
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- Industry standard pinout
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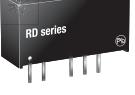
Series		Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
	RO (/E)	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1 or 2 kVDC / 1 s	SIP4 11.5 x 6.0 x 10.0 mm (0.5" x 0.2" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C economical design available (ROE)
	ROE	1	3.3, 5, 12, 15, 24	5, 12, 15	1 kVDC / 1 s	SIP4 11.5 x 6.0 x 10.0 mm (0.5" x 0.2" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C industry standard pinout economical design
	ROM	1	3.3, 5, 12	5, 12, 15	3 kVDC / 1 s	SIP4 Micro 11.5 x 6.0 x 7.7 mm (0.5" x 0.2" x 0.3")	EN/UL60950-1	Operating temperature range: -40°C to +85°C
	RP	1	5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24 +15/-9	5.2 kVDC / 1 s	SIP7 19.65 x 7.05 x 10.2 mm (0.8" x 0.3" x 0.4")	EN/IEC60950-1 UL60950-1*	Operating temperature range: -40°C to +85°C * +15/-9 version excluded
	RU	1	3.3, 5	5/5	1 or 2 kVDC / 1 s	SIP7 19.6 x 6.0 x 10.2 mm (0.8" x 0.2" x 0.4")	EN60950-1	Isolated independent dual outputs operating temperature range: -40°C to +85°C
	RUM	1	3.3, 5	5/5	1 or 2 kVDC / 1 s	SIP6 16.55 x 6.0 x 7.7 mm (0.7" x 0.2" x 0.3")	EN60950-1	Isolated independent dual outputs operating temperature range: -40°C to +85°C low profile
	RxxPxx (/R)	1	5, 12, 15, 24	3.3, 5, 6, 9, 12, 15, ±3.3, ±5, ±9, ±12, ±15, +15/-9	6.4 or 8 kVDC / 1 s	SIP7 19.5 x 9.8 x 12.5 mm (0.8" x 0.4" x 0.5")	EN/IEC/UL60950-1 EN/IEC/UL62368-1 EN/IEC/UL60601-1 ANSI/AAMI ES60601-1	Medical approved (/R6.4 & /R8 versions) operating temperature range: -40°C to +90°C reinforced isolation (/R6.4 & /R8)
	RN	1.25	3.3, 5, 9, 12, 15, 24	3.3, 5, 7, 9, 12, 15, 24	1 or 2 kVDC / 1 s	DIP8 12.6 x 10.1 x 7.6 mm (0.5" x 0.4" x 0.3")	EN60950-1	Operating temperature range: -40°C to +85°C

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
 R2S R2D	2	5, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±5, ±9, ±12, ±15, ±24	1 or 3 kVDC / 1 s	SMD 12.75 x 10.7 x 9.0 mm (S) (0.5" x 0.4" x 0.4") 15.24 x 10.7 x 9.0 mm (D) (0.6" x 0.4" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +100°C
 R2SX	2	5, 12, 24	3.3, 5, 15, 24	1 or 3 kVDC / 1 s	SMD 15.24 x 11.1 x 8.0 mm (0.6" x 0.4" x 0.4")	EN/IEC/UL62368-1 EN/IEC/UL60950-1	Operating temperature range: -40°C to +100°C no minimum load required economical design
 REM2	2	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, ±3.3, ±5, ±12	5.2 kVDC / 1 min	SIP8 23.0 x 8.0 x 12.2 mm (0.9" x 0.4" x 0.5")	ANSI/AAMI ES60601-1 CAN/CSA60601-1 IEC/EN62368-1 EN/IEC60601-1 EN60601-1-2	Operating temperature range: -40°C to +95°C reinforced isolation for 250VAC working voltage CF rated outputs, 5000m altitude
 RD	2	5, 12, 24	±5, ±12, ±15, ±24	1 or 2 kVDC / 1 s	SIP7 19.65 x 7.0 x 10.2 mm (0.8" x 0.3" x 0.4")	IEC/EN60950-1	Operating temperature range: -40°C to +85°C
 RI	2	5, 12, 15, 24	5, 12, 15	1 kVDC / 1 s	SIP4 11.5 x 7.6 x 10.2 mm (0.5" x 0.3" x 0.4")	IEC/EN60950-1	Operating temperature range: -40°C to +85°C
 RJZ RGZ	2	3.3, 5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24, +15/-9	3 or 4 kVDC / 1 s	DIP14 19.9 x 10.0 x 7.1 mm (0.8" x 0.4" x 0.3")	IEC/EN60950-1	Operating temperature range: -40°C to +90°C
 RKZ	2	5, 12, 24	5, 12, 15, ±5, ±12, ±15, +15/-9	3 or 4 kVDC / 1 s	SIP7 19.65 x 7.05 x 10.2 mm (0.8" x 0.3" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C
 RKZE	2	5, 12, 15, 24	5, 9, 12, 15, ±5, ±12, ±15	3 or 4 kVDC / 1 s	SIP7 19.65 x 7.05 x 10.2 mm (0.7" x 0.3" x 0.4")	EN62368-1	Economical design /H suffix for 4kV Isolation

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 RTM	2	5, 12, 24	5	2 or 3 kVDC / 1 s	SMD	18.0 x 8.7 x 7.15 mm (0.7" x 0.3" x 0.3")	EN60950-1	Operating temperature range: -40°C to +90°C
 RHV2	2	5, 12, 24	5, 12, 24, ±5, ±12	20 kVDC / 1 s	SIP16	45.0 x 15.0 x 17.0 mm (1.7" x 0.6" x 0.7")	IEC/EN62368-1 IEC/EN61010-1	Compact SIP16 case with >30mm pin separation low 4pF max. isolation capacitance operating temperature range: -40°C to +85°C at full load
 RUZ	2	5	5/5	1 or 2 kVDC / 1 s	SIP7	19.65 x 7.0 x 10.2 mm (0.8" x 0.3" x 0.4")	IEC/EN60950-1	Isolated independent dual outputs operating temperature range: -40°C to +85°C
 RV (/R)	2	3.3, 5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24, +15/-9	6, 6.4, or 8 kVDC / 1 s	DIP24 Micro	32.35 x 14.7 x 11.1 mm (1.3" x 0.6" x 0.4")	EN/UL60950-1 EN61010-1 ANSI/AAMI ES60601-1 IEC/EN/UL62368-1	Medical approved (/R6.4 & /R8 versions) operating temperature range: -40°C to +90°C single, dual or asymmetric output options
 RxxP2xx (/R)	2	5, 12, 15, 24	3.3, 5, 9, 12, 15, ±3.3, ±5, ±9, ±12, ±15, +15/-3, +15/-9, +20/-5	6.4 or 8 kVDC / 1 s	SIP7	19.5 x 9.8 x 12.5 mm (0.8" x 0.4" x 0.5")	EN/UL60950-1 EN/IEC/UL60601-1 ANSI/AAMI ES60601-1 IEC/EN/UL62368-1	Medical approved (/R6.4 & /R8 versions) operating temperature range: -40°C to +95°C single, dual or asymmetric output options
 RI3	3	5, 12, 15, 24	5, 9, 12, 15	1, 2, or 3 kVDC / 1 s	SIP4	11.5 x 7.6 x 10.2 mm (0.5" x 0.3" x 0.4")	EN/IEC/UL60950-1	Very high power density operating temperature range: -40°C to +100°C
 RKZ3	3	5, 12, 24	5, 12	3 or 4 kVDC / 1 s	SIP7	19.6 x 7.5 x 12.2 mm (0.8" x 0.3" x 0.5")	IEC/EN62368-1	High power density efficiency up to 90% pin-compatible with RK & RKZ
 RHV3	3	5, 12, 24	5, 12, 24, ±5, ±12	20 kVDC / 1 s	SIP16	45.0 x 15.0 x 17.0 mm (1.7" x 0.6" x 0.7")	IEC/EN62368-1 IEC/EN61010-1	Compact SIP16 case with >30mm pin separation low 4pF max. isolation capacitance operating temperature range: -40°C to +80°C at full load

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
 R0.5Z	0.5	5, 12, 15, 24	5, 12, 15	1 or 2 kVDC / 1 s	SMD 15.24 x 10.7 x 7.1 mm (0.6" x 0.4" x 0.3")	EN/UL60950-1	Operating temperature range: -40°C to +85°C regulated output with internal linear regulator
 R0.5ZX	0.5	5	5	1 or 2 kVDC / 1 s	SMD 15.24 x 11.1 x 8.5 mm (0.6" x 0.4" x 0.4")	IEC/EN60950-1 UL60950-1 EN/IEC/UL62368-1	Operating temperature range: -40°C to +100°C regulated output with internal linear regulator industry standard pinout
 R05CT05S	0.5	4.5-5.5	3.3, 3.7, 5.0, 5.4	5 kVAC / 1 min	SMD 10.3 x 7.5 x 2.65 mm (0.4" x 0.3" x 0.1")	ANSI/AAMI ES60601-1 UL/IEC/EN62368-1 IEC/EN60601-1	Operating temperature range: -40°C to +140°C 1kVAC working voltage CTRL, SYNC, and UVLO selectable outputs
 R05C05TE05S	0.5	4.5-5.5	5	3 kVDC / 1 min	SMD 10.35 x 7.5 x 2.5 mm (0.4" x 0.3" x 0.1")	IEC/EN62368-1	Ultra-wide operating temperature range: -40°C to +125°C low EMI emissions, low profile (2.5mm) economical design
 R05CTE05S	1	4.5-5.5	5	3 kVDC / 1 min	SMD 10.35 x 7.5 x 2.5 mm (0.4" x 0.3" x 0.1")	IEC/EN62368-1	Ultra-wide operating temperature range: -40°C to +125°C low EMI emissions, low profile (2.5mm) economical design
 RxxC1TFxxS	1	3-5.5	3.3, 5	2.5 kVAC / 1 min	LGA 5.0 x 4.0 x 1.18 mm (0.2" x 0.2" x 0.05")	N/A	Operating temperature range: -40°C to +125°C ultra-compact SMD package with low profile
 R1M/SMD	1	9-18, 18-36, 36-72	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1.6 kVDC / 1 min	SMD 14.2 x 9.1 x 10.2 mm (0.6" x 0.4" x 0.4")	N/A	Operating temperature range: -40°C to 90°C efficiency up to 81%
 R1Z	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15	1 or 2 kVDC / 1 s	SMD 15.24 x 10.7 x 9.0 mm (0.6" x 0.4" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +70°C regulated output with internal linear regulator

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 R1ZX	1	5	5	1 or 2 kVDC / 1 s	SMD	15.24 x 11.1 x 8.5 mm (0.6" x 0.4" x 0.4")	IEC/EN/UL60950-1 EN/IEC/UL62368-1	Operating temperature range: -40°C to +100°C regulated output with internal linear regulator industry standard pinout
 RSO (Z)	1	4.5-9, 9-18, 18-36, 36-72 9-36, 18-72 (Z)	3.3, 5, 9, 12, 15, ±3.3, ±5, ±9, ±12, ±15	1, 2, or 3 kVDC / 1 s	SIP8	21.8 x 9.2 x 11.1 mm (0.9" x 0.4" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C economical design available (RSOK-Z)
 RSOK-Z/H3 (/ADJ)	1	9-36	5, 12 (/ADJ)	3 kVDC / 1 min	SIP8	21.8 x 9.2 x 11.1 mm (0.9" x 0.4" x 0.4")	IEC/EN/UL62368-1	Operating temperature range: -40°C to +105°C /ADJ for adjustable output (3.3 - 17V) economical design
 RY	1	5, 9, 12, 15, 24	5, 9, 12, 15, 24 ±5, ±9, ±12, ±15, ±24	1 kVDC / 1 s	SIP7	19.65 x 7.05 x 10.2 mm (0.8" x 0.3" x 0.4")	EN60950-1	Control pin (on/off) operating temperature range: -40°C to +70°C
 RYK	1	5	3.3, 5	4 kVDC / 1 s	SIP7	19.6 x 6.0 x 10.2 mm (0.7" x 0.2" x 0.4")	EN/IEC/UL62368-1	Operating temperature range: -40°C to +105°C efficiency up to 81% post regulated
 R2M (/SMD)	2	9-18, 18-36, 36-72	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1.6 kVDC / 1 min	DIP8 SMD	13.2 x 9.1 x 10.2 mm (0.5" x 0.4" x 0.4") 14.2 x 9.1 x 10.2 mm (0.6" x 0.4" x 0.4")	N/A	Operating temperature range: -40°C to 105°C efficiency up to 81%
 RS (Z)	2	4.5-9, 9-18, 9-36, 18-36, 18-72, 36-72 (Z)	3.3, 5, 9, 12, 15, ±3.3, ±5, ±9, ±12, ±15	1, 2, or 3 kVDC / 1 s	SIP8	21.8 x 9.2 x 11.1 mm (0.9" x 0.4" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C economical design available (RSK-RUW)
 RSK-RUW/H3 (/ADJ)	2	4.5-36	5, 12 (/ADJ)	3 kVDC / 1 min	SIP8	21.8 x 9.2 x 11.1 mm (0.9" x 0.4" x 0.4")	IEC/EN/UL62368-1	Operating temperature range: -40°C to +105°C /ADJ for adjustable output (3.3 - 17V) economical design

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 RTC2	2	4.5-9, 18-36	5	3 kVDC / 1 s	SMD	14.9 x 14.2 x 9.6 mm (0.6" x 0.6" x 0.4")	EN/IEC62368-1	Operating temperature range: -40°C to +100°C compact SMD package, control pin (on/off) economical design
 RSH2	2	2.8-5.5, 4.5-13.2, 9-18, 18-36	3.3, 5, 12, 15, 24	2 or 3 kVDC / 1 min	SMD	18.9 x 17.2 x 8.7 mm (0.7" x 0.7" x 0.3")	IEC/EN/UL62368-1 CAN/CSA-C22.2 NO. 62368-1	2W power in compact SMD package efficiency up to 84% operating temperature range: -40°C to +100 °C
 RW2	2	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 12, 15, ±5, ±9, ±12, ±15	1, 2, or 3 kVDC / 1 s	Mini DIP16 DIP16 SMD	22.1 x 12.55 x 8.5 mm (0.9" x 0.5" x 0.3") 24.2 x 14.50 x 9.7 mm (1.0" x 0.6" x 0.4") 24.2 x 14.50 x 10.2mm (1.0" x 0.6" x 0.4")	IEC/EN60950-1	Operating temperature range: -40°C to +85°C DIP16 Mini smaller case size (/B) SMD package available (/SMD)
 new REM2A (/SMD)	2	4.5-12, 9-18, 18-36, 36-75	3.3, 5, 9, 12, 15, 24 ±12, ±15	5 kVAC / 1 min	DIP16 SMD	24.3 x 14.4 x 10.2 mm (1.0" x 0.6" x 0.4") 24.3 x 14.4 x 10.2 mm (1.0" x 0.6" x 0.4")	ANSI/AAMI ES60601-1 UL/IEC/EN62368-1 IEC/EN60601-1	Operating temperature range: -40°C to +90°C clearance and creepage distance ≥8mm 2MOPP, 250VAC working voltage isolation
 R3M/SMD	3	4.5-18, 9-36, 18-75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1.6 kVDC / 1 min	SMD	14.2 x 9.1 x 10.2 mm (0.6" x 0.4 x 0.4")	N/A	Operating temperature range: -40°C to +105°C efficiency up to 84%
 REC3A	3	4.5-9, 18-36	5	2 kVDC / 1 s	DIP24	31.8 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4")	UL60950-1 IEC/EN62368-1	Operating temperature range: -40°C to +100°C no minimum load required optional UVLO (/X1) economical design
 REC3-R	3	4.5-5.75, 10.2-13.8, 20.4-27.6	5, 12, 15 ±5, ±12, ±15	1 kVDC / 1 s	DIP24 SMD	32.0 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4") 32.0 x 20.32 x 11.2 mm (1.3" x 0.8" x 0.4")	EN60950-1	Operating temperature range: -40°C to +80°C SMD package (/SMD) or metal case (/M)
 REC3-RW(Z)	3	4.5-9, 9-18, 18-36, 36-72 9-36, 18-72 (Z)	3.3, 5, 9, 12, 15, ±5, ±12, ±15	2, 4, or 6 kVDC / 1 s	DIP24 SMD	32.0 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4") 32.0 x 19.9 x 11.2 mm (1.3" x 0.8" x 0.4")	EN/UL60950-1	Operating temperature range: -40°C to +80°C SMD package (/SMD) or metal case (/M)

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 REM3(W)	3	4.5-9, 9-18, 18-36, 36-75 9-36, 18-75 (W)	3.3, 5, 12, 15, 24, $\pm 5, \pm 12, \pm 15$	5 kVAC / 1 min	DIP24	31.8 x 20.3 x 10.4 mm (1.3" x 0.8" x 0.4")	ANSI/AAMI ES60601-1 CAN/CSA60601-1 IEC/EN60601-1 EN60601-1-2	Reinforced isolation for 250VAC working voltage CF rated outputs, 5000m altitude operating temperature range: -40°C to +100°C
 RP03-Raw	3	36-160	3.3, 5, 12, 15, 24, $\pm 5, \pm 12, \pm 15$	3 kVAC / 1 min	DIP24	31.8 x 20.3 x 10.6 mm (1.3" x 0.8" x 0.4")	UL/IEC/EN62368-1 EN50155 EN45545-2	Designed for railway and industrial applications CE marked operating temperature range: -40°C to +105°C 3 kVAC/ 1 min reinforced insulation
 RS3 (Z)	3	4.5-9, 9-18, 18-36, 36-72 9-27, 20-60 (Z)	3.3, 5, 9, 12, 15, $\pm 3.3, \pm 5, \pm 9, \pm 12,$ ± 15	1, 2, or 3 kVDC / 1 s	SIP8	21.8 x 9.2 x 11.1 mm (0.9" x 0.4" x 0.4")	IEC/EN60950-1	Operating temperature range: -40°C to +71°C control pin (on/off) economical design available (RS3K-Z)
 RS3K-(Z)/H3	3	4.5-9 9-36(Z)	3.3, 5, 9, 12, 15, 24 $\pm 5, \pm 12, \pm 15, \pm 24$	3 kVDC / 1 min	SIP8	21.8 x 9.2 x 11.1 mm (0.9" x 0.4" x 0.4")	EN/IEC/UL62368-1	Operating temperature range: -40°C to +105°C efficiency up to 86%
 RSH3	3	9-18, 18-36	5, 12, 15, 24 $\pm 12, \pm 15$	3 kVDC / 1 min	SMD	18.9 x 17.2 x 8.7 mm (0.7" x 0.7" x 0.3")	IEC/EN/UL62368-1 CAN/CSA-C22.2 NO. 62368-1	3W power in compact SMD package efficiency up to 83% operating temperature range: -40°C to +100°C
 RW	3	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 9, 12, 15, $\pm 5, \pm 9, \pm 12, \pm 15$	1 kVDC / 1 s (S) 3 kVDC / 1 s (D)	DIP24 SMD DIP24	32.3 x 14.7 x 7.0 mm (S) (1.3" x 0.6" x 0.3") 32.2 x 14.5 x 10.2 mm (S) (1.3" x 0.6" x 0.4") 32.0 x 17.5 x 7.0 mm (D) (1.3" x 0.7" x 0.3")	EN60950-1	Operating temperature range: -40°C to +85°C SMD package for RW-S available (/SMD)
 Rxx-B	3 5	4.5-6, 10-14, 14-17, 21-27	41-120, 50-135, 92-200	3 kVDC / 1 s	DIP24	31.8 x 20.3 x 9.4 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL62368-1	Adjustable output voltage up to 200VDC cascadable for output voltages up to 400VDC remote voltage programming by external voltage or resistance
 REC3.5/R	3.5	4.5-9, 9-18, 18-36, 36-75	5, 9, 12, 15, 24, $\pm 5, \pm 9, \pm 12, \pm 15$	8 or 10 kVDC / 1 s	DIP24	32.0 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4")	UL60950-1 EN/IEC/UL60601-1	Reinforced isolation (/R8 & /R10) operating temperature range: -40°C to +85°C no minimum load required

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- Modified standards available
- (-R) – tape & reel packaging
- (/P) – short circuit protection
- (Z), (W) – wide input range
- (-HC) – heatsink available
- (/SMD) – surface mount device
- (/M) – metal case

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 REM3.5E	3.5	4.5-9, 9-18, 18-36, 36-75	5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	8 or 10 kVDC / 1 s (DIP24) 6 kVDC / 1 min (SMD)	DIP24 SMD	31.8 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4") 31.8 x 20.3 x 11.2 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL60601-1 ANSI/AAMI ES60601-1	250VAC working voltage isolation clearance and creepage distance >8mm up to 10kVDC reinforced insulation operating temperature range: -40°C to +85°C
 REM4A (/SMD) new	4	4.5-12, 9-18, 18-36, 36-75	5, 9, 12, 15, 24 ±12, ±15	5 k VAC / 1 min	DIP16 SMD	24.3 x 14.4 x 10.2 mm (1.0" x 0.6" x 0.4") 24.3 x 14.4 x 10.2 mm (1.0" x 0.6" x 0.4")	ANSI/AAMI ES60601-1 UL/IEC/EN62368-1 IEC/EN60601-1	Operating temperature range: -40°C to +105°C clearance and creepage distance ≥8mm 2MOPP, 250VAC working voltage isolation
 R5M/SMD	5	9-36, 18-75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1.6 kVDC / 1 min	SMD	14.2 x 9.1 x 10.2 mm (0.6" x 0.4" x 0.4")	N/A	Operating temperature range: -40°C to +105°C efficiency up to 84%
 REC5K-AW /H4	5	9-36	5	4 kVDC / 1 s	1"x1"	25.4 x 25.4 x 10.0 mm (1.0" x 1.0" x 0.4")	EN/IEC/UL62368-1	Feedback regulated output derates to 110°C ambient temperature ON/OFF control pin UVLO and SCP
 REC5-RW (Z)	5	4.5-9, 9-18, 18-36, 36-72 9-36, 18-72 (Z)	3.3, 5, 9, 12, 15, ±5, ±9, ±12, ±15	1.6, 2, 4, or 6 kVDC / 1 s	DIP24 SMD	31.8 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4") 31.8 x 19.9 x 11.2 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +75°C SMD package (/SMD) or metal case (/M)
 REC5K-RW /H4/A (/ADJ)	5	9-36	5, 12 (/ADJ)	4 kVDC / 1 s	DIP24	32.1 x 20.6 x 10.2 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL62368-1	Low ripple and noise derates to 110°C ambient temperature ON/OFF control pin, UVLO and SCP /ADJ for adjustable output
 REM5E	5	4.5-9, 9-18, 18-36, 36-75	5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	8 or 10 kVDC / 1 s (DIP24) 6 kVDC / 1 min (SMD)	DIP 24 SMD	31.8 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4") 31.8 x 20.3 x 11.2 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL60601-1 EN/IEC60601-1-2	250VAC working voltage isolation, clearance and creepage distance >8mm, up to 10kVDC reinforced insulation, operating temperature range: -40°C to +85°C no derating
 REC6A	6	4.5-9, 18-36	5	2 kVDC / 1 s	DIP24	31.8 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4")	UL62368-1 UL60950-1 EN/IEC62368-1	Operating temperature range: -40°C to +100°C no minimum load required optional UVLO (/X1) economical design

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 REC6/R	6	4.5-9, 9-18, 18-36, 36-75	5, 9, 12, 15, 24, ±5, ±9, ±12, ±15	8 or 10 kVDC / 1 s	DIP24	32.0 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4")	UL60950-1 EN/IEC/UL60601-1	Reinforced isolation (/R8 & /R10) operating temperature range: -40°C to +75°C no derating pinning option (A) or (C), optional UVLO (/X1)
 REC6K-AW	6	9-36, 18-75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1.5 kVDC / 1 min	1"x1"	25.4 x 25.4 x 10.2 mm (1.0" x 1.0" x 0.4")	EN/IEC/UL62368-1	Compact 1"x1" package CTRL and UVLO standard
 REC6K-RW	6	9-36, 18-75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15	1.5 kVDC / 1 min	DIP24	31.8 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL62368-1	Compact DIP24 package
 REM6(W)	6	4.5-9, 9-18, 18-36, 36-75 9-36, 18-75 (W)	3.3, 5, 12, 15, 24, ±5, ±12, ±15	5 kVAC / 1 min	DIP24	31.8 x 20.3 x 10.4 mm (1.3" x 0.8" x 0.4")	ANSI/AAMI ES60601-1 EN/IEC60601-1 EN60601-1-2	Reinforced isolation for 250VAC working voltage CF rated outputs, 5000m altitude operating temperature range: -40°C to +105°C
 REM6E	6	9-18, 18-36, 36-75	9, 12, 15, 24 ±9, ±12, ±15	8 or 10 kVDC / 1 s (DIP24) 6 kVDC / 1 min (SMD)	DIP24 SMD	31.8 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4") 31.8 x 20.3 x 10.9 mm (1.3" x 0.8" x 0.43")	ANSI/AAMI ES60601-1 EN/IEC60601-1-2 EN/IEC60601-1	2MOPP, 250VAC working voltage isolation clearance and creepage distance >8mm, up to 10kVDC reinforced insulation, operating temperature range: -40°C to +75°C no derating
 RP06-RAW	6	36-160	3.3, 5, 12, 15, 24 ±5, ±12, ±15	3 kVDC / 1 min	DIP24	31.8 x 20.3 x 10.6 mm (1.3" x 0.8" x 0.4")	UL/IEC/EN62368-1 EN50155 EN45545-2	Designed for railway and industrial applications, CE marked operating temperature range: -40°C to +105°C 3 kVAC/ 1 min reinforced insulation
 RS6	6	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min 2 kVDC / 1 s	SIP8	21.8 x 9.2 x 11.1 mm (0.9" x 0.4" x 0.4")	EN60950-1 EN/IEC62368-1	Very high power density operating temperature range -40°C to +75°C no derating
 REC7.5-RW	7.5	9-18, 18-36, 36-72	3.3, 5, 9, 12, 15, ±5, ±9, ±12, ±15	1, 2, or 3 kVDC / 1 s	DIP24 SMD	32.0 x 20.3 x 10.5 mm (1.3" x 0.8" x 0.4") 32.0 x 19.9 x 11.2 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +71°C no derating SMD package available (/SMD)

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 REC8-RW(Z)	8	4.5-9, 9-18, 18-36, 36-75, 9-36, 18-75 (Z)	3.3, 5, 12, 15, ±5, ±12, ±15	2 or 3 kVDC / 1 s	DIP24 SMD	32.0 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4") 32.0 x 19.9 x 11.2 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C no derating SMD package available (/SMD)
 REC8E	8	9-18, 18-36, 20-60	5, 9, 12, 15, 24 ±12, ±15	1.6 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 10.5 mm (1.0" x 1.0" x 0.4")	EN/IEC/UL62368-1 IEC60950-1	Compact 1"x1" package CTRL and UVLO standard Operating temperature range: -40°C to +75°C no derating
 RP08-A(W)	8	9-18, 18-36, 36-75 9-36, 18-75, 43-160 (W)	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min	DIP24 SMD	31.8 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4") 32.0 x 20.3 x 11.2 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL60950-1 EN50155 EN50121-3-2	Operating temperature range: -40°C to +85°C RP08-AW designed for railway applications
 REC10/M(Z)	10	9-18, 18-36, 36-75 9-36, 18-75 (Z)	3.3, 5, 12, 15, ±5, ±12, ±15	2 or 3 kVDC / 1 s	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +81°C no derating high isolation
 REC10-RW(Z)	10	9-18, 18-36, 36-75 9-36, 18-75 (Z)	3.3, 5, 12, 15, ±5, ±12, ±15	2 or 3 kVDC / 1 s	DIP24 SMD	32.0 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4") 32.0 x 19.9 x 11.2 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +81°C no derating SMD package available (/SMD) high isolation
new  REC10K-AW	10	9-36, 18-75	3.3, 5, 9, 12, 15, 24 ±5, ±12, ±15, ±24	1.6 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 10.2 mm (1.0" x 1.0" x 0.4")	EN/IEC/UL62368-1	Operating temperature range: -40°C to +100°C with derating ON/OFF control pin, UVLO, SCP adjustable Vout ±10%
new  REC10K-RW	10	9-36, 18-75	3.3, 5, 9, 12, 15, 24, ±5, ±12, ±15, ±24	1.6 kVDC / 1 min	DIP24	31.8 x 20.3 x 10.4 mm (1.3" x 0.8" x 0.4")	EN/IEC/UL62368-1	Compact DIP24 package trimmable output CTRL and UVLO standard
 REM10(W)	10	4.5-9, 9-18, 18-36, 36-75 9-36, 18-75 (W)	3.3, 5, 12, 15, 24, ±5, ±12, ±15	5 kVAC / 1 min	DIP24	31.8 x 20.3 x 10.4 mm (1.3" x 0.8" x 0.4")	EN/IEC60601-1 ANSI/AAMI ES60601-1 EN60601-1-2	Reinforced isolation for 250VAC working voltage CF rated outputs, 5000m altitude operating temperature range: -40°C to +100°C

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 RP10-A(W)	10	9-18, 18-36, 36-75 9-36, 18-75 (W)	3.3, 5, 12, 15, 24, ±5, ±12, ±15	1.6 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 9.9 mm (1.0" x 1.0" x 0.4")	UL60950-1	Operating temperature range: -40°C to +78°C no derating optional heatsink with clamps (-HC)
 RP10-E(W)	10	9-18, 18-36, 36-75 9-36, 18-75 (W)	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	UL60950-1	Operating temperature range: -40°C to +78°C no derating optional heatsink with clamps (-HC)
 RP10-RAW	10	36-160	3.3, 5, 5.1, 2, 15, 24 ±5, ±12, ±15	3 kVAC / 1 min	DIP24	31.8 x 20.3 x 10.6 mm (1.3" x 0.8" x 0.4")	UL/IEC/EN62368-1 EN50155 EN45545-2	Designed for railway and industrial applications CE marked operating temperature range: -40°C to +105°C 3 kVAC / 1 min reinforced insulation
 RS12-Z	12	9-36, 18-75	3.3, 5, 12, 15, 24	3 kVDC / 1 min	SIP8	21.8 x 9.6 x 12.1 mm (0.9" x 0.4" x 0.5")	UL/IEC/EN62368-1	Very high power density operating temperature range: -40°C to +80°C
 RP12-A(W)	12	9-18, 18-36, 36-75 9-36, 18-75 (W)	3.3, 5.1, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min	DIP24 SMD	31.8 x 20.3 x 10.2 mm (1.3" x 0.8" x 0.4") 32.0 x 20.3 x 11.2 mm (1.3" x 0.8" x 0.4")	UL60950-1	Operating temperature range: -40°C to +105°C
 RP12-AR	12	36-160	3.3, 5, 12, 15, 24, ±12, ±15, ±24	3 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 9.9 mm (1.0" x 1.0" x 0.4")	IEC/EN60950-1 EN50155	Operating temperature range: -40°C to +100°C efficiency up to 90%
 REC15E-Z	15	9-36, 18-75	3.3, 5, 12, 15, 24, ±12, ±15	2 kVDC / 1 s	1" x 1"	25.4 x 25.4 x 10 mm (1.0" x 1.0" x 0.4")	EN/IEC/UL62368-1	Compact 1" x 1" package, efficiency up to 90% operating temperature range: -40°C to +75°C no derating continuous short circuit protection
 REC15(-Z)/M	15	9-18, 18-36, 36-75 9-36, 36-75 (Z)	3.4, 5.1, 12, 15, ±5, ±12, ±15	2 or 3 kVDC / 1 s	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +71°C no derating, without CTRL pin (X2)

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 REM15-W	15	9-36, 18-75	5, 12, 15, 24 ±5, ±12, ±15	5 kVAC / 1 min	1.6" x 1"	40.6 x 25.4 x 10.2 mm (1.6" x 1.0" x 0.4")	UL60950-1 UL62368-1 IEC60601-1 EN60601-1-2 ANSI/AAMI ES60601-1	Reinforced insulation for 250VAC working voltage, clearance and creepage distance > 8mm 5kVAC I/P to O/P isolation operating temperature range: -40°C to +105°C
 RP15-A(W)	15	9-18, 18-36, 36-75 9-36, 18-75 (W)	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 9.9 mm (1.0" x 1.0" x 0.4")	UL60950-1	Operating temperature range: -40°C to +105°C optional heatsink with clamps (-HC)
 RP15-F(W)	15	9-18, 18-36, 36-75 9-36, 18-75 (W)	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	UL60950-1	Operating temperature range: -40°C to +105°C optional heatsink with clamps (-HC)
 RPM(D)	15-60	9.5-18, 9.5-36, 10-40, (D) 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15 5±12, 5/±15	1.6 kVDC / 1 min		101.6 x 57.2 x 19.0 mm (4.0" x 2.3" x 0.7") 24.5 x 57.6 x 125.0 mm (D) (1.0" x 2.3" x 4.9")	EN/IEC60950-1	Reverse polarity protected, soft start panel mount/bulkhead version RPM DIN-Rail version RPMD, screw terminals triple output only for 40W version available
 REC20 (Z)	20	9-18, 18-36, 36-75, 9-36, 18-75 (Z)	3.4, 5.1, 12, 15 ±5, ±12, ±15	1.6 kVDC / 1 min	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4") 50.8 x 25.4 x 10.5 mm (Z) (2.0" x 1.0" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +100°C full load up to +80°C with natural convection continuous short circuit protection
 REC20K-Z	20	9-36, 18-75	3.3, 5, 9, 12, 15, 24 ±12, ±15	2 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 10.2 mm (1.0" x 1.0" x 0.4")	EN/IEC/UL62368-1	Operating temperature range: -40°C to +105°C with derating ON/OFF control pin, UVLO, SCP adjustable Vout ±10%
 REM20-W	20	9-36, 18-75	5, 12, 15, 24 ±5, ±12, ±15	5 kVAC / 1 min	1.6" x 1"	40.6 x 25.4 x 10.2 mm (1.6" x 1.0" x 0.4")	UL60950-1 UL62368-1 IEC60601-1 EN60601-1-2 ANSI/AAMI ES60601-1	Reinforced insulation for 250VAC working voltage, clearance and creepage distance > 8mm 5kVAC I/P to O/P isolation
 RP20-A(W)	20	9-18, 18-36, 36-75, 9-36, 18-75 (W)	3.3, 5, 12, 15, ±12, ±15	1.6 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 9.9 mm (1.0" x 1.0" x 0.4")	UL60950-1	Operating temperature range: -40°C to +102°C optional heatsink with clamps (-HC)

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 RP20-F(W)	20	9-18, 18-36, 36-75, 9-36, 18-75 (W)	3.3, 5, 12, 15, ±12, ±15	1.6 kVDC / 1 min	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	UL60950-1	Operating temperature range: -40°C to +105°C optional heatsink with clamps (-HC)
 RP20-FR	20	9-36, 18-75 43-160	3.3, 5, 12, 15, ±12, ±15	2.25 kVDC / 1 min	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	UL60950-1 EN50155	Designed for railway applications operating temperature range: -40°C to +79°C up to +85°C with natural convection optional heatsink (-HC), CE and EAC marked
 RPA20-AW	20	9-36	3.3, 5, 12, 15, ±12, ±15	1.6 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 10.2 mm (1.0" x 1.0" x 0.4")	EN/IEC/UL60950-1 EN50155	Designed for cost-sensitive industrial applications operating temperature range: -40°C to +85°C optional glued heatsink (-HC)
 RPA20-FR	20	36-160	5, 5.1, 12, 15, 24 ±5, ±12, ±15	3 kVAC / 1 min	1.6" x 1"	40.6 x 25.4 x 10.2 mm (1.6" x 1.0" x 0.4")	EN/IEC/UL62368-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +105°C efficiency up to 90%
 REC30 (Z)	30	9-18, 18-36, 36-75, 9-36, 18-75 (Z)	3.4, 5.1, 12, 15 ±12, ±15	1.6 kVDC / 1 min	2" x 1.6"	50.8 x 40.6 x 10.2 mm (2.0" x 1.6" x 0.4")	EN/IEC/UL60950-1	Operating temperature range: -40°C to +70°C continuous short circuit protection
 new REC30K-(Z)	30	36-72 9-36, 18-75	3.3, 5, 9 12, 15, 24 ±5, ±12, ±15	2 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 10.2 mm (1.0" x 1.0" x 0.4")	EN/IEC/UL62368-1	Operating temperature range: -40°C to +105°C with derating ON/OFF control pin, UVLO, SCP adjustable Vout ±10%
 REC30E-Z	30	9-36, 18-75	3.3, 5, 12, 15, 24, ±12, ±15	2 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 10.0 mm (1.0" x 1.0" x 0.4")	UL/IEC/EN62368-1	Operating temperature range: -40°C to +105°C efficiency up to 91%
 REM30-W	30	9-36, 18-75	5, 12, 15, 24 ±5, ±12, ±15	5 kVAC / 1 min	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	UL60950-1 UL62368-1 IEC60601-1 EN60601-1-2 ANSI/AAMI ES60601-1	Reinforced insulation for 250VAC working voltage, clearance and creepage distance > 8mm, 5kVAC I/P to O/P isolation industry standard pinout

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 RP30-E(W)	30	9-18, 18-36, 36-75 10-40, 18-75 (W)	3.3, 5, 12, 15, ±12, ±15	1.6 kVDC / 1 min	2" x 1.6"	50.8 x 40.6 x 10.2 mm (2.0" x 1.6" x 0.4")	UL60950-1	Operating temperature range: -40°C to +100°C optional heatsink with clamps (-HC)
 RP30-F(W)	30	9-18, 18-36, 36-75 9-36, 18-75 (W)	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	UL60950-1	Operating temperature range: -40°C to +101°C optional heatsink with clamps (-HC)
 RPA30-AW	30	9-36	3.3, 5, 12, 15, ±12, ±15	1.6 kVDC / 1 min	1" x 1"	25.4 x 25.4 x 10.2 mm (1.0" x 1.0" x 0.4")	EN/IEC/UL60950-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +100°C optional glued heatsink (-HC)
 RP40-FR	40	9-36, 18-75, 43-160	3.3, 5, 12, 15, 24, ±12, ±15, ±24	1.6 or 3 kVDC / 1 min	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	UL60950-1 EN50155 EN50121-3-2	Designed for railway applications operating temperature range: -40°C to +105°C optional heatsink with clamps (-HC) CE and EAC marked
 RP40-G(W)	40	9-18, 18-36, 36-75 9-36, 18-75 (W)	3.3, 5, 12, 15, ±12, ±15 5/±12, 5/±15	1.6 kVDC / 1 min	2" x 2"	50.8 x 50.8 x 10.2 mm (2.0" x 2.0" x 0.4")	UL60950-1	Operating temperature range: -40°C to +100°C optional heatsink with clamps (-HC) available as power module RPM40-G(W)
 RP40Q-RUW(B)	40	16-160	5, 12, 15, 24, 48	3 kVAC / 1 min	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3" x 1.4" x 0.5")	EN/IEC/UL62368-1 EN50155	12:1 ultra-wide input voltage range operating temperature range: -40°C to +105°C optional heatsink (-HC), CE marked "B" for Bus & UVP adjustability
 RPA40-FR	40	36-160	5, 5.1, 12, 15, 24, ±12, ±15	3 kVAC / 1 min	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	UL/IEC/EN62368-1 EN45545-2 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +105°C efficiency up to 90%
 RPA50S-W	50	18-75	3.3, 5, 12	2.25 kVDC / 1 min	1/16 brick	33.0 x 22.8 x 9.5 mm (1.3" x 0.9" x 0.4")	EN/IEC/UL60950-1	Economical design remote on/off and trim pins efficiency up to 91% Operating temperature range: -40°C to +85°C

DC/DC CONVERTERS

REGULATED

- 0.5 to 300 watts
- Isolation voltages up to 10kVDC
- Short circuit protection
- Economical design available
- Modified standards available
- (-R) – tape & reel packaging
- (/P) – short circuit protection
- (Z), (W) – wide input range
- (-HC) – heatsink available
- (/SMD) – surface mount device
- (/M) – metal case

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 REM60-W	60	9-36, 18-75	5, 5.1, 12, 15, 24, ±12, ±15	3 kVAC / 1 min	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3" x 1.4" x 0.5")	EN60601-1-2 ANSI/AAMI ES60601-1 UL/IEC/EN62368-1	Operating temperature range: -40°C to +105°C efficiency up to 90% 3 kVAC / 1 min reinforced isolation
 RP60-G	60	18-36, 36-75	3.3, 5, 12, 15	1.6 kVDC / 1 min	2" x 2"	50.8 x 50.8 x 10.2 mm (2.0" x 2.0" x 0.4")	UL60950-1	Operating temperature range: -40°C to +110°C optional heatsink with clamps (-HC) available as power module RPM60-G
 RP60Q-RUW(B)	60	16-160	5, 12, 15, 24, 48	3 kVAC / 1 min	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3" x 1.4" x 0.5")	EN/IEC/UL62368-1 EN50155	12:1 ultra-wide input voltage range operating temperature range: -40°C to +105°C optional heatsink (-HC), CE marked "B" for Bus & UVP adjustability
 RPA60-FW	60	9-36	5, 12, 15, 24	1.5 kVDC / 1 min	2" x 1"	50.8 x 25.4 x 10.2 mm (2.0" x 1.0" x 0.4")	EN/IEC/UL60950-1 EN50155 EN50121-3-2	Designed for railway and industrial applications operating temperature range: -40°C to +100°C optional glued heatsink (-HC)
 RP75H-RW	75	9-36, 18-75, 43-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min 3 kVAC / 1 min	1/2 brick	61.0 x 57.9 x 12.7 mm (2.4" x 2.3" x 0.5")	EN/IEC/UL60950-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +100°C 3 kVAC 1 min reinforced isolation for 110VDC optional heatsink (-HC), CE, and EAC marked
 RP90Q-RW	90	9-36, 16.5-75, 40-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min 3 kVAC / 1 min	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3" x 1.4" x 0.5")	EN/IEC60950-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +95°C 3 kVAC 1 min reinforced isolation for 110VDC optional heatsink (-HC), CE, and EAC marked
 RP100H-RW	100	9-36, 16.5-75, 43-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min 3 kVAC / 1 min	1/2 brick	61.0 x 57.9 x 12.7 mm (2.4" x 2.3" x 0.5")	EN/IEC/UL60950-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +105°C 3 kVAC / 1 min reinforced isolation for 110VDC optional heatsink (-HC), CE, and EAC marked
 RPA100E-W	100	18-75	5, 12	1.5kVDC	1/8 brick	58.4 x 22.8 x 11.0 mm (2.3" x 0.9" x 0.4")	UL62368-1	Operating temperature range: -40°C to +85°C UVLO, OTP, OVP, OCP, and SCP economical design, selectable outputs CTRL and remote sense pins

This Selection Guide represents only the latest most popular products of our portfolio. Please check www.recom-power.com for additional products.

DC/DC CONVERTERS

REGULATED

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- Short circuit protection
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- (/P) – short circuit protection
- (Z), (W) – wide input range
- (-HC) – heatsink available
- (/SMD) – surface mount device
- (/M) – metal case

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 RPA100H-RUW	100	16.5-140	12, 15, 24, 48	4.242 kVDC / 1 min	1/2 brick	60.6 x 63.1 x 13.0 mm (2.4" x 2.5" x 0.5")	EN/IEC/UL60950-1 EN50155 EN50121-2-3	Designed for railway and industrial applications 10:1 ultra-wide input range operating temperature range: -40°C to +97°C 4.242 kVDC reinforced isolation, CE, and EAC
 RP120Q-RW	120	9-36, 16.5-75, 40-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min 3 kVAC / 1 min	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3" x 1.4" x 0.5")	EN/IEC60950-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +95°C 3 kVAC 1 min reinforced isolation for 110VDC optional heatsink (-HC), CE, and EAC marked
 REC150H-UW	150	9-75	12, 24, 28, 48, 54	3 kVDC / 1 min	1/2 brick	61.0 x 57.9 x 12.7 mm (2.4" x 2.3" x 0.5")	IEC/EN62368-1 EN50155	Operating temperature range: -40°C to +105°C efficiency up to 90% OTP, OVP, OCP, UVLO, remote ON/OFF control
 RPA150E-EW	150	9-60	12, 24, 48	3 kVDC / 1 min	1/8 brick	58.4 x 22.9 x 12.9 mm (2.3" x 0.9" x 0.5")	EN/IEC/UL60950-1 EN/IEC/UL62368-1 EN50155 EN45545-2	Designed for railway and industrial applications efficiency up to 92%, wide ±20% output voltage trim range, operating temperature range: -40°C to +85°C, no minimum load required
 RPA150Q-RUW	150	14.4-170	12, 15, 24, 54	4.242 kVDC / 1 min	1/4 brick	60.6 x 39.0 x 12.7 mm (2.29" x 1.5" x 0.5")	UL62368-1 EN45545 EN50155	Designed for railway and industrial applications efficiency up to 90%, 16:1 ultra-wide input range, output OVP, reinforced isolation operating temperature range: -40°C to 85°C
 RP180H-RW	180	9-36, 16.5-75, 43-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min 3 kVAC / 1 min	1/2 brick	61.0 x 57.9 x 12.7 mm (2.4" x 2.3" x 0.5")	EN/IEC/UL60950-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +110°C 4.242 kVDC / 1 min reinforced isolation for 110VDC, optional heatsink (-HC), CE, and EAC
 RPA200H-RUW	200	16.5-140	12, 15, 24, 48	4.242 kVDC / 1 min	1/2 brick	60.6 x 63.1 x 13.0 mm (2.4" x 2.5" x 0.5")	EN/IEC/UL60950-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +93.5°C 4.242 kVDC / 1 min reinforced isolation 10:1 ultra wide input range, CE, and EAC
 RP240H-RW	240	9-36, 16.5-75, 43-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min 3 kVAC / 1 min	1/2 brick	61.0 x 57.9 x 12.7 mm (2.4" x 2.3" x 0.5")	EN/IEC/UL60950-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +110°C 3 kVAC / 1 min reinforced isolation for 110VDC optional heatsink (-HC), CE, and EAC marked

DC/DC CONVERTERS

REGULATED

- 0.5 to 300 watts
- Isolation voltages up to 10kVDC
- Short circuit protection
- Economical design available
- Modified standards available
- (-R) – tape & reel packaging
- (/P) – short circuit protection
- (Z), (W) – wide input range
- (-HC) – heatsink available
- (/SMD) – surface mount device
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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
 REC300H-W	300	9-36	12, 15, 24, 48	3 kVDC / 1 min	1/2 brick	61.0 x 57.9 x 12.7 mm (2.4" x 2.3" x 0.5")	EN62368-1	Operating temperature range: -40°C to +100°C efficiency up to 90% OTP, OVP, OCP, UVLO, remote ON/OFF control
 RPA300E	300	36-72	32	2.25 kVDC / 1 min	1/8 brick	58.4 x 22.8 x 12.7 mm (2.3" x 0.9" x 0.5")	UL62368-1	Operating temperature range: -40°C to +85°C UVLO, OTP, OVP, OCP, and SCP, economical design, selectable outputs, CTRL and remote sense pins, high efficiency up to 94.8%

DC/DC CONVERTERS

IGBT / SiC MOSFET / GaN

- Designed for SiC/IGBT/GaN gate drivers
- Up to 3 watts
- Isolation voltages up to 6.4 kVDC
- Alternate pinout and package styles
- Asymmetric output
- High efficiency
- High isolation
- (/P) – short circuit protection
- Modified standards available

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
 RP-xx1509D RP-xx06S	1	5, 12, 24 5, 12, 15, 24	+15/-9 6	5.2 kVDC / 1 s	SIP7 19.65 x 7.05 x 10.2 mm (0.8" x 0.3" x 0.4")	EN/IEC/UL60950-1 IEC/EN60601-1	Designed for isolated IGBT or GaN drivers operating temperature range: -40°C to +85°C
 RxxP1509D RxxP06S	1	5, 12, 24 5, 12, 15, 24	+15/-9 6	6.4 kVDC / 1 s	SIP7 19.5 x 9.8 x 12.5 mm (0.8" x 0.4" x 0.5")	EN/IEC60950-1 EN/IEC/UL62368-1	Designed for isolated IGBT or GaN drivers operating temperature range: -40°C to +90°C
new  R9C1T18/R	1.5	8.5-18	2.5-15.5 -2.5 to (-15.5)	5 kVAC / 1 min	SMD 12.83 x 7.5 x 3.55 mm (0.5" x 0.3" x 0.1")	N/A	5kVAC / 1 min reinforced isolation operating temperature range: -40°C to +120°C programmable asymmetrical output voltage
new  R12C2T12/R	1.5	9-18	2.5-15.5 -2.5 to (-15.5)	5 kVAC / 1 min	SMD 12.83 x 7.5 x 3.55 mm (0.5" x 0.3" x 0.1")	N/A	5kVAC / 1 min reinforced isolation operating temperature range: -40°C to +120°C (with derating) programmable asymmetrical output voltage
 R24C2T25	2	21-27	2.5-22.5 -2.5 to (-22.5)	3 kVAC / 1 min	SMD 12.83 x 7.5 x 3.55 mm (0.5" x 0.3" x 0.1")	N/A	3kVAC / 1 min isolation operating temperature range: -40°C to +125°C (with derating) programmable asymmetrical output voltage
 RGZ-xx1509D	2	5, 12, 24	+15/-9	3 or 4 kVDC / 1 s	DIP14 19.9 x 10.0 x 7.1 mm (0.8" x 0.4" x 0.3")	EN60950-1	Asymmetrical outputs designed for isolated IGBT drivers operating temperature range: -40°C to +90°C
 RKZ-xx1509D RKZ-xx2005D	2	5, 12, 24 5, 12, 15, 24	+15/-9 +20/-5	3 or 4 kVDC / 1 s	SIP7 19.65 x 7.05 x 10.2 mm (0.8" x 0.3" x 0.4")	EN/IEC/UL60950-1	Asymmetrical outputs designed for isolated IGBT/SiC drivers operating temperature range: -40°C to +100°C
 RV-xx1509D	2	5, 12, 24	+15/-9	6 kVDC / 1 s	DIP24 32.35 x 14.7 x 11.1 mm (1.3" x 0.6" x 0.4")	EN60950-1	Asymmetrical outputs designed for isolated IGBT drivers operating temperature range: -40°C to +90°C

DC/DC CONVERTERS

IGBT / SiC MOSFET / GaN

- Designed for SiC/IGBT/GaN gate drivers
- Up to 3 watts
- Isolation voltages up to 6.4 kVDC
- Alternate pinout and package styles
- Asymmetric output
- High efficiency
- High isolation
- (/P) – short circuit protection
- Modified standards available

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features
	2	12, 15, 24	+15/-3	6.4 kVDC / 1 s	SIP7	19.5 x 9.8 x 12.5 mm (0.8" x 0.4" x 0.5")	EN/IEC/UL60950-1 EN/IEC/UL62368-1	Asymmetrical outputs designed for isolated IGBT/SiC drivers operating temperature range: -40°C to +95°C
RxxP21503D		5, 12, 24	+15/-9					
RxxP21509D		5, 12, 15, 24	+20/-5					
RxxP22005D		5, 12, 15, 24	9					
	2.5	9-18	2.5-22.5 -2.5 to (-22.5)	5 kVAC / 1 min	SMD	12.83 x 7.5 x 3.55 mm (0.5" x 0.3" x 0.1")	N/A	5kVAC / 1 min reinforced isolation operating temperature range: -40°C to +125°C (with derating) programmable asymmetrical output voltage
	2.5	13.5-18	2.5-22.5 -2.5 to (-22.5)	5 kVAC / 1 min	SMD	12.83 x 7.5 x 3.55 mm (0.5" x 0.3" x 0.1")	N/A	5kVAC / 1 min reinforced isolation operating temperature range: -40°C to +125°C (with derating) programmable asymmetrical output voltage
	2.5	21-27	2.5-22.5 -2.5 to (-22.5)	5 kVAC / 1 min	SMD	12.83 x 7.5 x 3.55 mm (0.5" x 0.3" x 0.1")	N/A	5kVAC / 1 min reinforced isolation operating temperature range: -40°C to +125°C (with derating) programmable asymmetrical output voltage
	3	5, 12, 24	8, 9, +7/-1, +15/-3, +15/-5, +20/-5	5.2 kVDC / 1 min	DIP16 SMD	23.4 x 15.0 x 8.5 mm (0.9" x 0.6" x 0.3")	UL/IEC/EN62368-1 EN61204-3	Operating temperature range: -40°C to +85°C ideal for IGBT, Si, SiC, and GaN gate drive power isolation capacitance <10pf

POWER SOLUTIONS

PLUG & PLAY

- 40 to 4000 watts
- Interchangeable with Melcher RCM-series
- Very wide and ultra wide

- input voltage range
- Reverse polarity protection
- Hold-up time 10ms included
- Inrush current limitation

- Compact design
- Output decoupling with OR-ing diode
- Remote control and

- Power good signal
- No external components needed
- Modified standards available
- Adjustable output voltage

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features
 RMD40-UW	40	14.4-154	24	4.2 kVDC	100.0 x 60.0 x 30.0 mm (3.9" x 2.3" x 1.2")	EN62368-1, EN50155 EN45545-2 EN50124-1 EN50121-3-2 EN61373	Full railway approved, ultra wide input 24V-110V, base plate cooled for natural convection reinforced isolation, 50% peak load capability to 60W/10s
 RMD75-UW	75	14.4-170	24	4.2 kVDC	110.0 x 73.0 x 40.0 mm (4.3" x 2.8" x 1.6")	IEC/EN62368-1 EN45545-2 EN50124-1 EN50121-3-2 EN61373, EN50155	Full railway approved base plate cooled for natural convection reinforced isolation, ultra wide input 24V-110V 20% peak load capability to 90W/10s
 RMD150-UW (-E)	150	14.4-154	24	5 kVDC	188.6 x 116.0 x 42.5 mm (7.4" x 4.6" x 1.7")	IEC/EN62368-1 EN50121-3-2 EN50124-1 EN45545-2 EN61373, EN50155	Ultra wide input range for 24V-110V _{nom} , efficiency up to 94%, designed for natural convection, "-E" for extended ambient temperature range (-50°C to +90°C), 10% peak load capability to 165W/10 s
 RMD300-UW (-E)	300	14.4-170	24, 110	5 kVDC	209.0 x 141.0 x 48.0 mm (8.2" x 5.5" x 1.9")	IEC/EN62368-1 EN50121-3-2 EN50124-1 EN45545-2 EN61373, EN50155	Ultra wide input range for 24V-110V _{nom} , efficiency up to 95%, designed for natural convection, 10% peak load capability to 330W/10s, "-E" for extended ambient temperature range (-50°C to +90°C)
 RMOD300-UW	300	18-126	12.2, 13.7, 24.5	2.25 kVDC	190.0 x 76.0 x 44.0 mm (7.5" x 3.0" x 1.7")	UL60950 EN12895 CISPR11 class A ISO7637-2	IP67 protection for selective model operating temperature range: -40°C to +75°C protections: input reverse polarity input UVLO, output OCL, SCP, OVP, and OTP
 RMOD360-UW	360	18-126	24.5	2.25 kVDC	190.0 x 76.0 x 44.0 mm (7.5" x 3.0" x 1.7")	UL60950 EN12895 CISPR11 class A ISO7637-2	Operating temperature range: -40°C to +75°C protections: input reverse polarity input UVLO, output OCL, SCP, OVP, and OTP
 RMOD400-EW	400	24-120	13	2.5 kVDC / 1 min	203.0 x 115.0 x 61.0 mm (8.0" x 4.5" x 2.4")	EN12895/CISPR11 class A CE/ISO7637-2 IEC/EN/UL62368-1	IP69k protection for selective model operating temperature range: -35°C to +85°C protections: input reverse polarity input UVLO, output OCL, SCP, OVP, and OTP
 RMOD400-W	400	12-56 24-96	13, 24	2.5 kVDC / 1 min	203.0 x 115.0 x 61.0 mm (8.0" x 4.5" x 2.4")	EN12895/CISPR11 class A CE/ISO7637-2 IEC/EN/UL62368-1	IP65 (24V)/IP69k (13V) protection for selective model, operating temperature range: -35°C to +70/+85°C, protections: input reverse polarity, input UVLO, output OCL, SCP, OVP, and OTP

POWER SOLUTIONS

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- Hold-up time 10ms included
- Inrush current limitation

- Compact design
- Output decoupling with OR-ing diode
- Remote control and

- Power good signal
- No external components needed
- Modified standards available
- Adjustable output voltage

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other Features	
	RMD500-EW	500	43.2-170	24	5 kVDC	209.0 x 141.0 x 48.0 mm (8.23" x 5.56" x 1.9")	EN50155 EN50124-1 IEC/EN62368-1 EN61373	Temperature class OT4 ST1 & ST2 -40°C/+85°C efficiency up to 95% designed for natural convection and baseplate cooling
	RMOD500-W (/OR)	500	32-96	13.7, 12.4, 24.5 13, 11.7, 23.5 (/OR)	2.25 kVDC	198.0 x 113.0 x 45.0 mm (7.8" x 4.4" x 1.8")	IEC/EN/UL62368-1 EN12895-2015 EN55011 EN55014-2 CISPR11 class A	IP67 protection, operating temperature range: -40°C to +90°C, protections: input reverse polarity, input UVLO, output OCL, SCP, OVP, and OTP, control ON/OFF function
	RMOD600-EW	600	24-120	13	2.5 kVDC / 1 min	203.0 x 115.0 x 71.0 mm (8.0" x 4.5" x 2.8")	EN12895/CISPR11 class A CE/ISO7637-2 IEC/EN/UL62368-1	IP69k protection for selective model operating temperature range: -35°C to +80°C protections: input reverse polarity input UVLO, output OCL, SCP, OVP, OTP
	RMOD600-W	600	24-120	24	2.5 kVDC / 1 min	203.0 x 115.0 x 71.0 mm (8.0" x 4.5" x 2.8")	CISPR11 class A CE/ISO7637-2 IEC/EN/UL62368-1	IP65 protection for selective model operating temperature range: -35°C to +85°C protections: input reverse polarity input UVLO, output OCL, SCP, OVP, OTP
	RMD1000-W	600-1000	24, 36, 48, 72, 110	24, 36, 48, 72, 110	2.2 kVAC	257.5 x 197 x 69.0 mm (10.2" x 9.7" x 3.1")	EN62368-1 EN50121-3-2 EN50124-1 EN45545-2 EN61373, EN50155	Designed for natural convection, and base plate cooling, flexible input - output voltage combination, temperature class OT4 ST1 & ST2 -40°C/+85°C
	RMOD2000-EW	2000	180-950	14, 28	3 kVDC	316.0 x 254.0 x 83.0 mm (12.4" x 10.0" x 3.3")	EN62477-1 EN/ISO 114521 ECE R10	Supports nominal voltages from 250V to 800V high voltage DC/DC for e-mobility high IP level, liquid cooled or base plate cooled
	RMOD4000-EW	4000	180-950	14, 28	3 kVDC	316.0 x 254.0 x 83.0 mm (12.4" x 10.0" x 3.3")	EN62477-1 EN/ISO 114521 ECE R10	Supports nominal voltages from 250V to 800V high voltage DC/DC for e-mobility high IP level, liquid cooled or base plate cooled

ACCESSORIES

LINE INDUCTORS

Series	Description	Suitable for	Other Features
 RLS-397	saturation current: 2.1A, inductance: 3.9µH	RJ3, RS, RSO, R12, RS3, R-78xx-1.0, R-78xx-0.5, R-78Exx-0.5, R-78Axx-0.5, R-78Bxx-1.5, R-78Bxx-1.0L	Tested and approved in RECOM filter design RoHS compliant
 RLS-567	saturation current: 1.9A, inductance: 5.6µH	RK/H6, RJ3, RS, RS3, RW2, R-78xx-1.0, R-78xx-0.5, R-78Axx-0.5, R-78Cxx-1.0, R-78Bxx-1.5	Tested and approved in RECOM filter design RoHS compliant
 RLS-126	saturation current: 1.4A, inductance: 12µH	R15, R25, R1SE, RH/H6, RKZ, RS, RSO, REC5, R1Z, R-78Exx-1.0, R-78Exx-0.5, R-78Cxx-1.0, R-78Bxx-1.5	Tested and approved in RECOM filter design RoHS compliant
 RLS-186	saturation current: 2.14A, inductance: 18µH	REC5	Tested and approved in RECOM filter design RoHS compliant
 RLS-226	saturation current: 1.0A, inductance: 22µH	RO, RM, ROM, RK, RB, RP, RE, ROE, RK/H6, RH/H6, RxxPxx, RKZ, REC5, RW2	Tested and approved in RECOM filter design RoHS compliant
 RLS-686	saturation current: 1.05A, inductance: 68µH	R-78Exx-1.0	Tested and approved in RECOM filter design RoHS compliant
 RLS-105	saturation current: 1.1A, inductance: 100µH	REC5	Tested and approved in RECOM filter design RoHS compliant

ACCESSORIES

SURGE PROTECTORS

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other Features	
	RSP20-168	20	40-160	168	N/A	DIP24	31.8 x 20.3 x 10.2 mm (1.25" x 0.8" x 0.4")	UK BRB/RIA12 NF F 01-510	Output follows input up to the clamp voltage operating temperature range: -40°C to +95°C compliant with RIA12 and NF F 01-510 surge susceptibility
	RSP150-168	150	40-160	168	N/A	1.6" x 1"	40.6 x 25.4 x 10.2 mm (1.6" x 1.0" x 0.4")	UK BRB/RIA12 NF F 01-510	Output follows input up to the clamp voltage operating temperature range: -40°C to +100°C compliant to RIA12 and NF F 01-510 surge susceptibility
	RSP300-168	300	40-160	168	N/A	1.6" x 1"	40.6 x 25.4 x 10.2 mm (1.6" x 1.0" x 0.4")	UK BRB/RIA12 NF F 01-510	Output follows input up to the clamp voltage operating temperature range: -40°C to +100°C compliant to RIA12 and NF F 01-510 surge susceptibility
new 	RSP45-M	45	9-36	40	N/A	1.6" x 1"	40.6 x 25.4 x 10.2 mm (1.6" x 1.0" x 0.4")	MIL-STD-461G MIL-STD-1275E	SCP, OCP, OVP, OTP, UVP reverse polarity protection inrush current limiter CTRL ON/OFF
new 	RSP150-M	150	9-36	40	N/A	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3" x 1.5" x 0.5")	MIL-STD-461G MIL-STD-1275E	SCP, OCP, OVP, OTP, UVP reverse polarity protection inrush current limiter CTRL ON/OFF
new 	RSP250-M	250	9-36	40	N/A	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3" x 1.5" x 0.5")	MIL-STD-461G MIL-STD-1275E	SCP, OCP, OVP, OTP, UVP reverse polarity protection inrush current limiter CTRL ON/OFF

SWITCHING REGULATORS

STEP DOWN

- Standard pinout
- MTBF up to 21 million hours
- SC protection
- Very high efficiency

- Internal SMD construction
- Wide operating temperature range
- No heatsink required
- RoHS compliant

- REACH compliant
- Warranty up to 3 years
- Modified standards available

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)	Certifications	Other Features
 R-78HE-0.3	0.3	6.5-72	5	SIP3 11.5 x 8.5 x 12.5 mm (0.5" x 0.3" x 0.7")	N/A	Wide input range (6.5V - 72V) 100V surge with stand operating temperature range: -40°C to +105°C at 48V input, full load
 R-78HB-0.5 R-78HB-24-0.3	0.5 (0.3)	9-72 (36-72)	3.3, 5, 6.5, 9, 12, 15 (24)	SIP3 11.5 x 8.5 x 17.5 mm (0.5" x 0.3" x 0.7")	EN/IEC60950-1	Operating temperature range: -40°C to +85°C high input voltage 90° pins (L)
 R-78CK-0.5	0.5	5-40	3.3, 5, 12, 15	SIP3 11.5 x 7.55 x 10.2 mm (0.5" x 0.3" x 0.4")	EN/IEC62368-1	Operating temperature range: -40°C to +100°C pin-out compatible with LM78xx linears up to 96% efficiency
 R-78K-0.5	0.5	4.5-36	1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	SIP3 11.5 x 7.55 x 10.2 mm (0.5" x 0.3" x 0.4")	EN/IEC62368-1	Operating temperature range: -40°C to + 90°C without derating, pin compatible with 78 series regulators, undervoltage protection up to 96% efficiency
 R-78HB-0.5/W	0.5	9-72	5, 12	SIP3 12.1 x 9.7 x 24.0 mm (0.5" x 0.4" x 0.9")	EN/IEC60950-1	Operating temperature range: -40°C to +85°C flying wires high input voltage
 R-78W-0.5	0.5	6.5-32	3.3, 5, 9, 12	SIP3 11.5 x 8.5 x 17.5 mm (0.5" x 0.3" x 0.7")	EN/IEC60950-1	Operating temperature range: -40°C to +85°C flying wires up to 96% efficiency
 R-78AA-0.5SMD	0.5	4.75-32	1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	SMD 15.3 x 9.6 x 8.8 mm (0.6" x 0.4" x 0.4")	EN/IEC60950-1	Operating temperature range: -40°C to +85°C adjustable output, on/off pin up to 97% efficiency
 ROF-78E	0.5	5-36	3.3, 5, 12	SMD 12.5 x 13.5 x 4.0 mm (0.5" x 0.5" x 0.2")	N/A	Economical design, low profile operating temperature range: -40°C to +85°C pinless design, on/off pin

SWITCHING REGULATORS

STEP DOWN

- Standard pinout
- MTBF up to 21 million hours
- SC protection
- Very high efficiency
- Internal SMD construction
- Wide operating temperature range
- No heatsink required
- RoHS compliant
- REACH compliant
- Warranty up to 3 years
- Modified standards available

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)		Certifications	Other Features
 R-78K-1.0	1.0	4.5-36	1.8, 2.5, 3.3, 5, 9, 12, 15	SIP3	11.5 x 7.55 x 10.2 mm (0.5" x 0.3" x 0.4")	EN/IEC62368-1	Operating temperature range: -40°C to +90°C without derating, pin compatible with 78 series regulators, undervoltage protection up to 95% efficiency
 R-78AA-1.0SMD	1.0	4.75-18	1.5, 1.8, 2.5, 3.3, 5	SMD	15.3 x 9.6 x 8.8 mm (0.6" x 0.4" x 0.4")	EN/IEC60950-1	Operating temperature range: -40°C to +85°C adjustable output, on/off pin
 R-78B-1.0	1.0	4.75-32	1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	SIP3	11.5 x 8.5 x 17.5 mm (0.5" x 0.3" x 0.7")	EN/IEC60950-1	Operating temperature range: -40°C to +85°C 90° pins (L), input voltage up to 32V efficiency up to 97% output voltage up to 15V
 R-78C-1.0	1.0	5-42	1.8, 3.3, 5, 9, 12, 15	SIP3	11.6 x 8.5 x 10.4 mm (0.5" x 0.3" x 0.4")	EN/IEC60950-1	Operating temperature range: -40°C to +85°C output voltage up to 15V input voltage up to 42V 1A continuous in small package
 R-78T-1.0	1.0	7-42	3.3, 5, 12	SMD	23.0 x 27.2 x 10.0 mm (/AC or /AL) (0.9" x 1.1" x 0.4") 23.0 x 29.4 x 8.0 mm (/FC) (0.9" x 1.2" x 0.3")	N/A	Operating temperature range: -40°C to +85°C input voltage up to 42V
 R-78B-1.5 (L)	1.5	4.5-18	3.3, 5, 6.5	SIP3	11.5 x 8.5 x 17.5 mm (0.5" x 0.3" x 0.7")	IEC/EN60950-1	Operating temperature range: -45°C to +85°C "L" version with 90° pins efficiency up to 95%
 R-78K-2.0(L)	2.0	4.5-36	1.2, 1.5, 1.8, 2.5, 3.3, 5, 9, 12, 15	SIP3	11.5 x 8.5 x 17.5 mm (0.5" x 0.3" x 0.7")	EN/IEC62368-1	Operating temperature range: -40°C to +90°C without derating, pin compatible with 78 series regulators, "L" version with 90° pins efficiency up to 96%
 RPMA-4.5 RPMA-8.0	4.5 8	9-53	5-30 3.3-16.5	1/32 brick	19.1 x 23.4 x 9.6 mm (0.75" x 0.9" x 0.4")	N/A	Ultra-wide operating temperature range: -40°C to +85°C OCP and OTP, CTRL, and remote sense selectable outputs

This Selection Guide represents only the latest most popular products of our portfolio. Please check www.recom-power.com for additional products.

SWITCHING REGULATORS

STEP DOWN

- Standard pinout
- MTBF up to 21 million hours
- (-R) – tape & reel packaging
- (-Tray) - tray packaging
- Short circuit protection
- Very high efficiency up to 98%
- Internal SMD construction
- Wide operating temperature range
- No heatsink required
- Modified standards available

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)		Certifications	Other Features
 RPMGE-10	10	18-75	5, 12	1/8 brick	56.4 x 22.9 x 11.97 mm (2.2" x 0.9" x 0.5")	N/A	Operating temperature range: -40°C to +120°C efficiency up to 92% adjustable output from 3.3 to 15VDC
 RPMGS-20	20	18-75	3.3-8 8-24	1/16 brick	36.83 x 34.04 x 15.0 mm (1.4" x 1.3" x 0.6")	N/A	Ultra-wide operating temperature range: -40°C to +120°C, efficiency up to 97% UVLO, OTP, and OCP protected adjustable output voltage
 RPMGQ-20	20	18-75	3.3-8 8-24	1/4 brick	56.4 x 36.83 x 15.0 mm (2.2" x 1.4" x 0.6")	N/A	Ultra-wide operating temperature range: -40°C to +120°C, efficiency up to 97% UVLO, OTP, and OCP protected adjustable output voltage
 RPMGH-40	40	18-75	5, 12	1/2 brick	61.0 x 57.9 x 14.89 mm (2.4" x 2.3" x 0.6")	N/A	Operating temperature range: -40°C to +120°C high efficiency up to 97% adjustable output voltage from 3.3 to 24VDC

SWITCHING REGULATORS

BOOST / BUCK-BOOST

- Standard Pinout
- MTBF up to 21 million hours
- Short circuit protection
- High efficiency up to 99%
- Internal SMD construction
- Wide operating temperature range
- No heatsink required
- RoHS compliant
- REACH compliant
- Ultra high specification
- Modified standards available

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)	Certifications	Other Features
BOOST						
 R-78S-0.1	0.1	0.65-3.3	1.8, 3.3, 3.6	SIP4 11.6 x 8.5 x 10.4 mm (0.5" x 0.3" x 0.4")	IEC/EN62368-1	Designed to power microprocessors and IoT operating temperature range: -40°C to +100°C boost converter to run from single cell batteries
BUCK-BOOST						
 RBB10-2.0	4	2.3-5.5	1-5.5	LGA-25 12.19 x 12.19 x 3.75 mm (0.5" x 0.5" x 0.2")	N/A	7µA standby power consumption SCP, OTP, OCP dual regulation modes for optimized performance or efficiency
 RBBA3000	50	9-60	0-60	1/2 brick 60.6 x 63.2 x 13.0 mm (2.4" x 2.5" x 0.5")	EN/IEC62368-1	Adjustable output voltage and current efficiency up to 96% operating temperature range: -40°C to +85°C without derating

SWITCHING REGULATORS

POWER MODULES

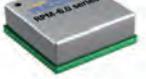
- Advanced 3D Power Packaging
- No heatsink required
- Compact SMD footprint
- 0.5 to 20A
- Wide operating temperature range
- Trimmable outputs
- High efficiency up to 99%
- Short circuit protection
- Fully-automated production

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)	Certifications	Other Features
5VIN BUCK						
 RPZ-0.5	0.5	2.3-5.5	0.6-5.375	QFN 2.0 x 2.0 x 1.6 mm (0.08" x 0.08" x 0.06")	N/A	SCP, OCP, OVP, and UVLO, efficiency up to 91% operating temperature range: -40°C to +125°C (with derating)
 RPZ-1.0	1	2.3-5.5	0.6-5.25	QFN 2.0 x 2.0 x 1.6 mm (0.08" x 0.08" x 0.06")	N/A	SCP, OCP, and UVLO, efficiency up to 88% operating temperature range: -40°C to +125°C (with derating) ultra compact design with low profile (1.6mm)
 RPZ-2.0	2	2.75-6	0.6-5.74	QFN 2.5 x 3.5 x 1.6 mm (0.1" x 0.14" x 0.06")	N/A	SCP, OCP, and UVLO, efficiency up to 90% operating temperature range: -40°C to +90°C (full load) ultra compact design with low profile (1.6mm)
 RPZ-3.0A	3	2.75-6	0.6-5.5	QFN 2.5 x 3.5 x 1.6 mm (0.1" x 0.14" x 0.06")	N/A	SCP, OCP, OTP, and UVLO, efficiency up to 92% operating temperature range: -40°C to +125°C (with derating)
 RPZ-6.0	6	2.75-7	0.6-6.65	QFN 4.0 x 6.0 x 1.6 mm (1.16" x 0.24" x 0.63")	N/A	SCP, OCP, OTP, and UVLO efficiency up to 90% operating temperature range: -40°C to +125°C (with derating)
12VIN BUCK						
 RPL-1.0	1	3-22	0.6-12	LGA-11 3.0 x 3.0 x 2.0 mm (0.12" x 0.12" x 0.08")	N/A	SCP, OCP, OTP, and UVLO, efficiency up to 84% operating temperature range: -40°C to +125°C (with derating) compact design with low profile (2mm)
 RPM-1.0	1	3-17	3.3, 5 trimmable 0.9-6.0V	LGA-25 12.19 x 12.19 x 3.75 mm (0.5" x 0.5" x 0.2")	N/A	Operating temperature range: -40°C to +107°C at full load very high efficiency up to 99% 6-sided shielding for low EMI

SWITCHING REGULATORS

POWER MODULES

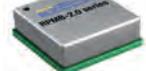
- Advanced 3D Power Packaging
- No heatsink required
- Compact SMD footprint
- 0.5 to 20A
- Wide operating temperature range
- Trimmable outputs
- High efficiency up to 99%
- Short circuit protection
- Fully-automated production

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)	Certifications	Other Features
 RPM-2.0	2	3-17	3.3, 5 trimmable 0.9-6.0V	LGA-25 12.19 x 12.19 x 3.75 mm (0.5" x 0.5" x 0.2")	N/A	Operating temperature range: -40°C to +105°C at full load very high efficiency up to 98% 6-sided shielding for low EMI
 RPL-3.0	3	4-18	0.8-5.2	LGA-10 3.0 x 3.0 x 1.45 mm (0.1" x 0.1" x 0.06")	N/A	Very high power density 3A maximum output current very low 1.45mm profile enable, sense, and power good functions
 RPM-3.0	3	3-17	3.3, 5 trimmable 0.9-6.0V	LGA-25 12.19 x 12.19 x 3.75 mm (0.5" x 0.5" x 0.2")	N/A	Operating temperature range: -40°C to +105°C at full load very high efficiency up to 97% 6-sided shielding for low EMI
 RPL-5.0	5	2.75-17	0.6-12	QFN 4.0 x 6.0 x 1.6 mm (1.16" x 0.24" x 0.63")	N/A	SCP, OCP, and UVLO, efficiency up to 90% operating temperature range: -40°C to +125°C (with derating)
 RPM-6.0	6	3-17	3.3, 5 trimmable 0.9-6.0V	LGA-25 12.19 x 12.19 x 3.75 mm (0.5" x 0.5" x 0.2")	N/A	Operating temperature range: -40°C to +90°C at full load very high efficiency up to 99% 6-sided shielding for low EMI
 RPL-10	10	4-16	0.6-5.5	LGA-29 7.0 x 7.0 x 4.4 mm (0.28" x 0.28" x 0.17")	N/A	SCP, OCP, OTP, and UVLO, efficiency up to 94% operating temperature range: -40°C to +125°C (with derating)
 RPL-20	20	4-16	0.6-5.5	LGA-29 7.0 x 7.0 x 4.4 mm (0.28" x 0.28" x 0.17")	N/A	SCP, OCP, OTP, and UVLO, efficiency up to 94% operating temperature range: -40°C to +125°C (with derating)

SWITCHING REGULATORS

POWER MODULES

- Advanced 3D Power Packaging
- No heatsink required
- Compact SMD footprint
- 0.5 to 20A
- Wide operating temperature range
- Trimmable outputs
- High efficiency up to 99%
- Short circuit protection
- Fully-automated production

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)	Certifications	Other Features
24VIN BUCK						
 AEC-Q100 GRADE 1 RPX-0.5Q	0.5	4-36	0.8-30	QFN 3.0 x 5.0 x 1.6 mm (0.1" x 0.2" x 0.06")	N/A	AEC-Q100 grade 1, wettable flank SCP, OCP, OTP, and UVLO protection operating temperature range: -40°C to +125°C trimmable output
 RPX-1.0	1	4-36	0.8-30	QFN 3.0 x 5.0 x 1.6 mm (0.1" x 0.2" x 0.06")	N/A	SCP, OCP, OTP, and UVLO protection operating temperature range: -40°C to +125°C trimmable output
 RPX-1.5	1.5	4-36	0.8-30	QFN 3.0 x 5.0 x 1.6 mm (0.1" x 0.2" x 0.06")	N/A	SCP, OCP, OTP, and UVLO protection operating temperature range: -40°C to +125°C trimmable output
 AEC-Q100 GRADE 1 RPX-1.5Q	1.5	4-36	0.8-30	QFN 3.0 x 5.0 x 1.6 mm (0.1" x 0.2" x 0.06")	N/A	AEC-Q100 grade 1, wettable flank SCP, OCP, OTP, and UVLO protection operating temperature range: -40°C to +125°C trimmable output
 AEC-Q100 GRADE 1 RPY-1.5Q	0-1.5	4-36	0.8-34.8	QFN 3.0 x 5.0 x 1.6 mm (0.1" x 0.2" x 0.06")	N/A	AEC-Q100 grade 1, wettable flank, constant current module with integrated shielded inductor, 1.5A output with 0-100% PWM dimming, enable, fault thermal shutdown, and soft-start functions
 RPMB-2.0	2	4-36	3.3, 5, 12, 15 trimmable 1-24V	LGA-25 12.19 x 12.19 x 3.75 mm (0.5" x 0.5" x 0.2")	N/A	Operating temperature range: -40°C to +100°C with derating, convection cooled adjustable output up to 24V
 RPX-2.5	2.5	4.5-28	1.2-6	QFN 4.5 x 4.0 x 2.0 mm (0.2" x 0.1" x 0.07")	N/A	Very high power density with SCP, OCP, OTP, OVP, and UVLO protection efficiency up to 91% trimmable output

SWITCHING REGULATORS

POWER MODULES

- Advanced 3D Power Packaging
- No heatsink required
- Compact SMD footprint
- 0.5 to 20A
- Wide operating temperature range
- Trimmable outputs
- High efficiency up to 99%
- Short circuit protection
- Fully-automated production

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)	Certifications	Other Features
 RPMB-3.0	3	4-36	3.3, 5, 12, 15 trimmable 1-24V	LGA-25 12.19 x 12.19 x 3.75 mm (0.5" x 0.5" x 0.2")	N/A	Operating temperature range: -40°C to +100°C with derating, convection cooled adjustable output up to 24V
 RPX-4.0	4	3.8-36	1-7	QFN 5.0 x 5.5 x 4.0 mm (0.2" x 0.2" x 0.2")	N/A	Very high power density excellent thermal performance power good, enable, and trimmable output
HIGH VOLTAGE BUCK						
 RPMH-0.5	0.5	4.3-65	3.3, 5, 12, 15, 24	LGA-25 12.19 x 12.19 x 3.75 mm (0.5" x 0.5" x 0.2")	N/A	Wide input range, operating temperature range: -40°C to +95°C at full load on/off, sense, trim, power good, and sequencing functions
 RPMVH-0.5	0.5	6-115	3.3, 5, 12, 24	LGA-25 12.19 x 12.19 x 3.75 mm (0.5" x 0.5" x 0.2")	N/A	Wide input range, operating temperature range: -40°C to +95°C at full load on/off, sense, trim, power good, and sequencing functions
 RPMH-1.5	1.5	5-60	3.3, 5, 12, 15, 24	LGA-25 12.19 x 12.19 x 3.75 mm (0.5" x 0.5" x 0.2")	N/A	Wide input voltage range operating temperature range: -40°C to +100°C at full load
 RPH-3.0	3	4.5-55	1-15	QFN 10.0 x 12.0 x 4.0 mm (0.39" x 0.47" x 0.16")	N/A	SCP, OCP, OVP, and UVLO efficiency up to 91% operating temperature range: -40°C to +125°C (with derating)

LED DRIVERS

AC/DC CONSTANT CURRENT

- 3 to 25 watts
- Constant current or constant voltage available
- High efficiency
- Ultra-low profile packages
- Modified standards available
- Dimmable series available

Series	Power (W)	Output current (mA)	Vin (VAC)	Vout (VDC)	Isolation	Dimensions (LxWxH)	Certifications	Other Features	
	RACD03	3	350 500 700	90-264 90-132	2.5-15 (3-12) 2.5-11 (3-9.5) 2.5-6 (3-4.5)	3.75 kVAC / 1 min	52.1 x 29.6 x 23.1 mm (2.1" x 1.2" x 0.9")	UL8750 EN/IEC61347-1, 2-13	IP66, CC/CV wired connections compact size
	RACD06	6	350 500 700	90-264	2.5-24 2.5-15 2.5-12	3.75 kVAC / 1 min	68.0 x 35.0 x 21.0 mm (2.7" x 1.4" x 0.8")	UL8750 EN/IEC61347-1, 2-13	CC/CV compact size screw terminals
	RACD06-LP	6	350 500 700	198-264	2-18 2-12 2-9	3.75 kVAC / 1 min	98.0 x 46.0 x 11.0 mm (3.9" x 1.8" x 0.4")	EN/IEC61347-1 EN/IEC61347-2-13 EN/IEC62384	Ultra-low profile economical design screw terminals
	RACD07	7	250 350 500 700	90-295	14-28 10-20 5-14.5 3-10.5	3.75 kVAC / 1 min	57.0 x 40.8 x 24.0 mm (2.2" x 1.6" x 0.9")	UL8750 EN61347-1 EN61347-2-13 EN61547	IP67 wired connections compact size
	RACD12-LP	12	350 500 700	198-264	2-37 2-24 2-19	3.75 kVAC / 1 min	128.0 x 50.0 x 13.0 mm (5.0" x 2.0" x 0.5")	EN/IEC61347-1 EN/IEC61347-2-13 EN/IEC62384	Ultra-low profile, economical design, screw terminals fully protected (OLP, SCP, OCP, OTP)
	RACD20-LP	20	350 500 700	198-264	2-59 2-40 2-31	3.75 kVAC / 1 min	128.0 x 50.0 x 13.0 mm (5.0" x 2.0" x 0.5")	EN/IEC61347-1 EN/IEC61347-2-13 EN/IEC62384	Ultra-low profile, economical design, screw terminals fully protected (OLP, SCP, OCP, OTP)
	RACV22-24SW	22	920	176-264	24	3.2 kVAC / 1 min	294.0 x 76.0 x 40.0 mm (11.6" x 3.0" x 1.6")	EN/IEC61347-1, -2-13 EN/IEC62384 DIN EN 60664 IEC60721-3-2	LED driver for trackside railway lighting applicable for nGgB DB InfraGO AG excellent PFC, high efficiency, low THD housing with connection box in IP65
	RACT25	25	500 700 1050	198-264	25-50 18-36 12-24	3.75 kVAC / 1 min	120.0 x 45.0 x 28.0 mm (4.7" x 1.8" x 1.1")	EN/IEC61347-1 EN/IEC61347-2-13 EN61547 EN62493 EN55015	dimmable with leading or trailing edge dimmers class II with SELV output (no earth required)

new

LED DRIVERS

DC/DC CONSTANT CURRENT

- All-in-one
- Ready to use (no external components necessary for basic use)
- High efficiency up to 97%
- PWM / digital and analog dimming
- Wide input voltage range
- Buck & buck-boost topology
- Optional flying wires (/W)
- Low emissions (built-in EMC filter)
- Short circuit protected
- Modified standards available

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)	Certifications	Other Features	
 RCD-24 (/W)	0.3-1.2	4.5-36	2-35	DIP	22.1 x 12.55 x 8.5 mm (0.9" x 0.5" x 0.3")	EN/UL60950-1 EN61373 EN50121-3-2	Buck topology IP67 rated wired version available (/W) Vref out (/Vref) digital PWM and analog voltage dimming
 RCD-24/PL	0.3-1.0	4.5-36	2-35	SMD	31.0 x 11.4 x 6.6 mm (1.2" x 0.5" x 0.3")	EN/UL60950-1 EN61373 EN50121-3-2 EN55022	Buck topology low profile, class B filter built-in tape & reel packaging (-R)
 RCD-48 (/W)	0.35-1.2	9-60	2-56	DIP	32.6 x 16.7 x 11.1 mm (1.3" x 0.7" x 0.4") 32.6 x 16.0 x 11.2 mm (/M) (1.3" x 0.7" x 0.4")	EN/UL60950-1 EN61373 EN50121-3-2	Buck topology wired version with Vref out available (/W) IP67 rated for wired version (/W) metal case (/M)
 RCDE-48	0.35-1.05	6-60	3-52	DIP24	32.1 x 20.6 x 12.3 mm (1.2" x 0.8" x 0.5")	EN55015	Buck topology constant current output (350, 700, or 1050mA) digital PWM and analog voltage dimming high efficiency up to 97%

LED DRIVERS

ACCESSORIES

Series	Operating principle	Power (W)	Input Voltage (VAC)	Other Features
 RELI-DA01/R	DALI-to-PWM/analog control signal interface	1.6	90-290	DALI IEC62386, PWM / 0-10V output compatible with all RECOM dimmable drivers spring terminals
 RELV4-16	DALI Bus power supply	3.2	90-264	Designed to power the DALI bus DALI compliant screw terminals

RECOM POWER SYSTEMS – CUSTOM SOLUTIONS

RECOM Power Systems specializes in custom power converter solutions with high reliability/harsh environment applications. Its design and manufacturing is in Europe with close local technical and sales support. Products developed include: high power DC input and single/three-phase AC input converters, cascadable up to 30kW, battery chargers and balancers up to 11kW, suitable for a range of battery voltages up to 110VDC and above, bi-directional power supplies, and modular inverters with single/three-phase outputs. All AC input products incorporate active power factor correction, and modular PFC front ends are available up to 4kW with universal single and three-phase AC inputs.

Special products for rugged vehicle solutions in the marine, avionics, and defense sectors have also been developed up to 4kW rating, with single or multiple outputs, high levels of functionality, robustness, and environmental protection. RECOM Power Systems has extensive expertise in standards compliance in high reliability markets and can provide certification of products to functional, safety, and EMC standards for the industrial, rail, transportation, medical, and defense markets. Although most products are bespoke (customized), RECOM Power Systems uses a variety of proven platform designs as a basis for new projects, to minimize costs, risk, and turn-round time. Customers are invited to browse the featured products as examples of RECOM Power Systems capability and to contact the company with your particular requirements.



CUSTOM SOLUTIONS

30kW BATTERY CHARGERS |
INVERTERS | PFC FRONT ENDS |

- High power solutions for DC or AC line with DC, 1AC, or 3AC
- Wide operating temperature range
- Bidirectional power supplies up to 11kW with 3AC input and active PFC
- Inverters up to 5kW
- Special applications & rugged vehicle solutions up to 4kW
- Battery charging & battery balancing up to 30kW
- OCP, OTP, OVP, and SCP

Series	Power (W)	Vin	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Comply with	Other features
 MD200	220	28VDC	5V / 2 x 12VDC	1500VDC	184.4 x 167.0 x 40.6 mm (7.2" x 6.5" x 1.6")	MIL-STD-704A, -810F DEF-STAN 59-41 DO-160E/ED14E BS.2011, IPC-A-610D MIL-HDBK-217F EN62368-1	Plug & play DC/DC converter for special applications, robust, high reliability, multiple output, contact cooling IP40 for ambient protection
 ID250	240	24 - 48 - 72 - 110VDC	48VDC: 50-156VAC 24-72-110VDC: 200-240VAC	3500VAC	289.0 x 128.0 x 100.0 mm (11.4" x 5.0" x 3.9")	EN50155, IS402, CE EN50121-4, -3-2 EN50124-1, EN50125-3 EN61373 (1B) EN62368-1	Railway inverter power for passenger socket or for driver desks fully railway-approved reliable AC-power
 SD280	280	28VDC	Multiple output DC	N/A	250.0 x 130.0 x 100.0 mm (9.8" x 5.1" x 3.9")	N/A	High functionality converter, power supply with integrated functional interfaces compact design for critical ambient conditions excellent EMC behavior
 PFC800	800	230V1AC	365VDC	N/A	186.0 x 80.0 x 43.6 mm (7.3" x 3.1" x 1.7")	EN61000-6-2 EN61000-6-4 EN61000-3-2/A14 EN62368-1 CE	Modular power factor correction mobile or stationary use excellent performance compact design, high efficiency

This Selection Guide represents only the latest most popular products of our portfolio. Please check www.recom-power.com for additional products.

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Series	Power (W)	Vin	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Comply with	Other Features
 IPS1200	1200	48VDC±10% 24V or 48VDC	115V 3AC	1500VAC	250.0 x 149.9 x 96.7 mm (9.8" x 5.9" x 3.8")	MIL-STD-461F (Cat. Submarine) AECTP-400 (Edt.3) Method 403 AECTP-400 (Edt.3) Method 401 MIL-STD-810F 807.4, CE	Navi/marine inverter base plate cooling high efficiency, compact design robust, high reliability
 PFC1600	1600	230V 1AC	360	N/A	186.0 x 158.0 x 44.0 mm (7.3" x 6.2" x 1.7")	EN61000-6-2 EN61000-6-4 EN61000-3-2/A14 EN62368-1 CE	Modular power factor correction mobile or stationary use excellent performance compact design, high efficiency
 MA2000	1400-2000	90-264VAC 3-120VDC	12 2-80	1750VAC	318.0 x 212.0 x 165.0 mm (12.5" x 8.3" x 6.4")	EN61000-6-1, -3 EN62368-1 EN61010 EN60068-2-6 EN61326 class B CE	Battery conditioner for e-mobility production automotion digital regulation concept high functionality
 PFC3200	3200	230V 1AC	365	N/A	199.0 x 186.0 x 44.0 mm (7.8" x 7.3" x 1.7")	EN61000-6-2 EN61000-6-4 EN61000-3-2/A14 EN62368-1 CE	Modular power factor correction mobile or stationary use, excellent performance, compact design, high efficiency easy to integrate
 RMOC(D) 3200	3200	400V 3AC or 700VDC	24-110	1500VAC	410.0 x 235.0 x 85.0 mm (16.1" x 9.2" x 3.3")	EN62368-1 EN61000-6-2, -6-4 EN50155, EN50121-3-2 EN61373 1B EN50124-1, EN50153 EN45545-2	Battery charger for mobile applications railway-approved according to EN50155 robust and compact design interface for data communication
 PFC4000	4000	230-480V 3AC	360	N/A	Plattform design	EN61000-6-2 EN61000-6-4 EN62638-1 CE	Modular power factor correction mobile or stationary use excellent performance compact design, high efficiency
 RMOC4000	4000	115VAC 400V 3AC	24, 48 24, 48, 60	>200MW with 500VDC	617.0 x 483.0 x 132.0 mm (24.3" x 19.0" x 5.2")	STANAG 1008 EN62638-1 CE101 RE101 RE102 (Navy Fixed) CS101	Robust, compact design high efficiency industry AC power supply for 700VDC version see SD4000
 SD4000	4000	320/450 600VDC	24, 48	1500VAC	483.5 x 370.0 x 132.0 mm (19.0" x 14.5" x 5.2")	EN62368-1 EN61000-6-2 EN61000-6-4 CE	Converter for high level DC-input traction battery 320VDC / 450VDC / 600VDC high efficiency robust, compact design

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30kW BATTERY CHARGERS |
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- Bidirectional power supplies up to 11kW with 3AC input and active PFC
- Inverters up to 5kW
- Special applications & rugged vehicle solutions up to 4kW
- Battery charging & battery balancing up to 30kW
- OCP, OTP, OVP, and SCP

Series	Power (W)	Vin	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Comply with	Other Features
 RMOC5000	5000	360-440V 3AC	39.5-58	4 kVAC	526.0 x 483.0 x 88.0 mm (20.7" x 19.0" x 3.5")	EN62368-1 EN50125-3 EN50129 EN50124-1/A1/A2 EN50121-3-2,-4 EN50155, EN45545-2	5kw battery charger for mobile use railway-approved concept 3Ph-AC input with active PFC output for 24V up to 110V battery
 SAB10000	10000	340-470V 3AC 520-700VDC	20 24	1500VAC	670.0 x 443.0 x 128.0 mm (26.4" x 197.4" x 5.0")	EN62368-1 EN61000-6-4, -3-2 EN61000-4-2, -4-3 EN61000-4-7, -4-5 EN61000-4-6, -4-8 EN61000-4-11	Bidirectional battery balancer for e-mobility production automation digital regulation concept high functionality
 MA11000	11000	180-480V 3AC	24, 48	1500VAC	503.0 x 430.0 x 141.0 mm (19.8" x 16.9" x 5.5")	EN61000-6-3 EN61000-6-5 EN62368-1, EN61010 EN60068-2-6 EN61326 class B CE	Battery conditioner for e-mobility production automation digital regulation concept high functionality

POWER PRODUCTS DESIGNED TO FIT YOUR SPECIFICATIONS

RECOM is renowned for an exceptionally wide range of cost-effective standard products available globally. Additionally, we invite inquiries for full or semi-custom designs made to fit your specifications. All power levels can be considered, right from sub-1W to kilowatts for any application – industrial, medical, energy, aerospace, rail, or military COTS. Customizable product types include AC/DCs, DC/DCs, battery chargers/conditioners, inverters, PFC front ends, and much more. Your special requirement may also be met by modifying a standard product while retaining its existing safety certification, providing you with a very economical, simple, and quick solution. In the past, RECOM has modified many standard production parts as per particular customer specifications; we might hence already have the part you need in our design library.

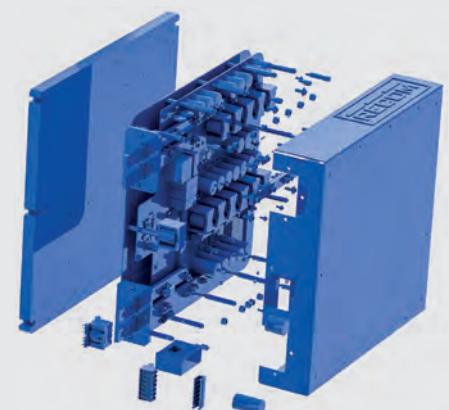
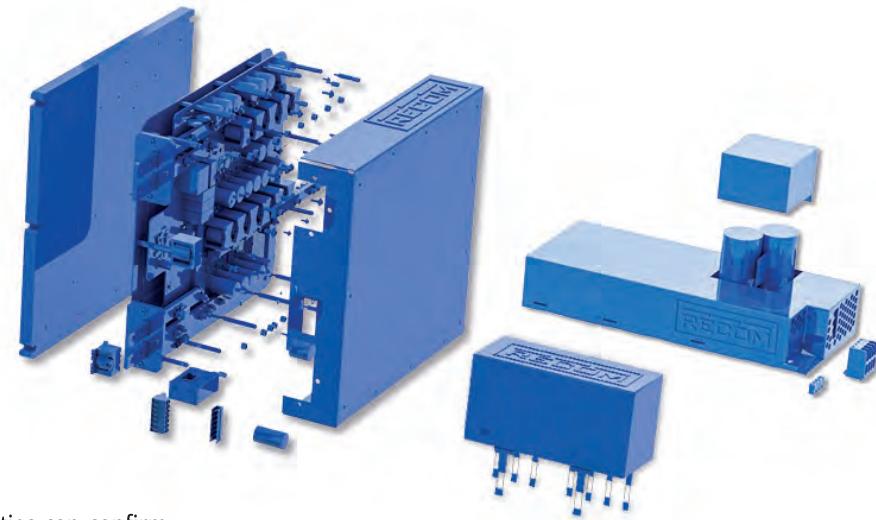
RECOM has design teams in Austria, Italy, China Mainland, Thailand, and Taiwan area, who design with the latest technologies, using state-of-the-art CAD tools for circuit emulation and thermal simulation. In-house EMC test facilities can confirm compliance with international standards and our experienced R&D engineers ensure that the designs fully meet the application requirements. Third-party safety agency and EMC certificates can be arranged for any custom design.

RECOM recommends that you discuss your power converter requirements with us before drawing up a final specification. This will ensure that the proposed product can be made most cost-effectively and designed, built, and certified in the fastest timescale. For example, matching a new design BoM to the RECOM manufacturing technology database will enable the use of common components that are always kept in stock, resulting in the most economical custom product.

FULL CUSTOMIZE

- Built to your specification
- From concept to production
- Any shape, size or color
- Meets safety & EMC standards

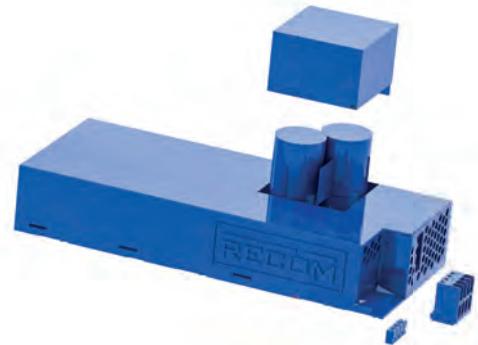
Full customs can be designed from sub-1W to kilowatts by our engineering teams in Austria, Italy, Taiwan, and China, depending on the individual specification. RECOM Powr Systems in Italy has particular expertise in custom high-power single and three-phase AC/DCs, DC/DCs, battery chargers/conditioners, PFC front ends, and inverters. These can be designed for any particular market — industrial, medical, energy, aerospace, rail, and defense COTS. State-of-the-art design techniques are used for high power density and high efficiency, with the lowest cost. Safety certification can be arranged to meet all the common standards. EMC compliance can also be realized with the pre-compliance testing performed using our in-house test chambers, and we can arrange for a third-party EMC certification.



SEMI CUSTOM

- Based on proven designs
- Accelerate time-to-market
- Lower cost than a full custom
- Uses existing infrastructure

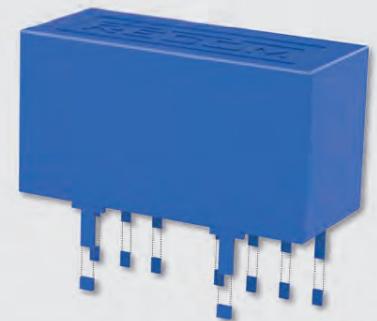
Often, a customer specification can be met using an existing 'platform' design that has the advantage of proven performance and reliability in the field. This is a more economical approach than a full custom, and product safety assurance and EMC certification are simplified, reducing the risk and accelerating the time to the market. Existing in-house stock components, tooling, and manufacturing processes may be used, resulting in a cost-effective product.



MODIFIED STANDARD

- Standard designs, fine tuned
- Certifications remain valid
- Lowest cost and fastest TTM
- Uses existing supply chain

Do you sometimes look at a datasheet and think, 'If only this one specification were changed, it would be ideal?' RECOM Power Systems has a large range of standard products that can often be easily modified to accommodate simple customer requests, such as a change to the output voltage, pinout, or encapsulation material. In many cases, existing certifications for safety and EMC remain valid, saving significant costs and time. RECOM has manufactured many 'modified standards' in the past; so, we might already have met your particular requirements.



Notes

Notes

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