

# BP-SUC-30090

## Supercap packs

- ✓ Long-life storage medium for UPS systems
- ✓ High reliability
- ✓ Maintenance-free supercap technology
- ✓ High cycle stability > 500 000
- ✓ Extended temperature range
- ✓ High power density
- ✓ Cell Balancing
- ✓ Over current protection
- ✓ Fuse at output
- ✓ Compact open frame PCB version



**NEW**



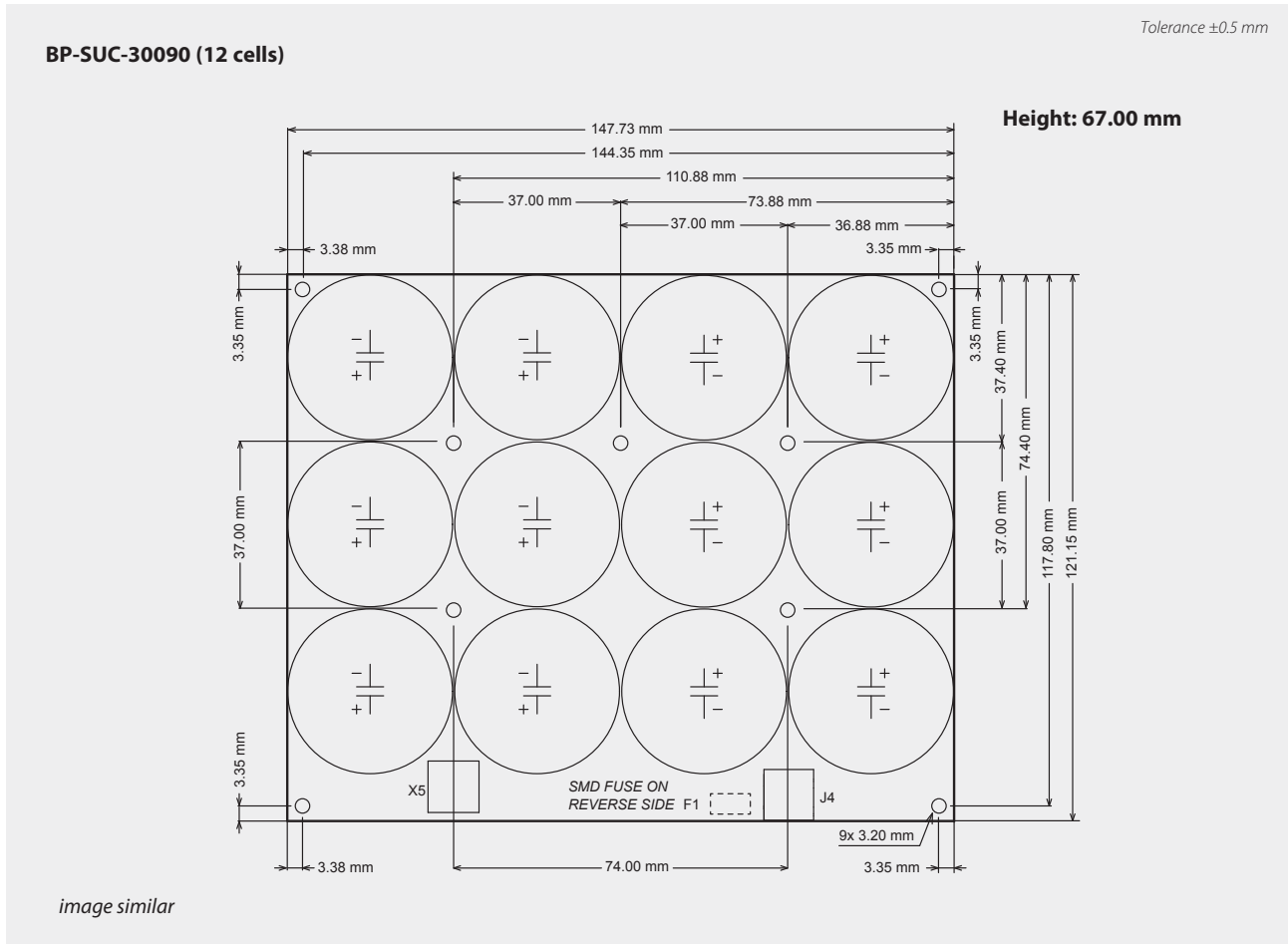
Technical data	
Technology	EDLC (Electric double-layer capacitors) – Supercaps
Life cycles	>500.000
Temperature	Operating: -20...+70 °C / Storage: -20...+70 °C
Max. operation altitude	5000 m
Communication	SMB

Product specific data	
P/N	BP-SUC-30090
UPS version	UPSI-2412
Nominal voltage	30 VDC
Number of used cells	12 cells à 2.5 V (serial)
Energy	13.5 kJ (useful 9.0kJ)
Charge voltage	30 VDC
Charge current	6 A max.
Discharge current (cont.)	15 A max.
Max. peak discharge current	17 A (2 sec)
Fuse (SMD)	20A
Supercap charge time	~ 4 min 45 sec without load
Dimensions (WxDxH)	see drawing
Weight (net)	960 g

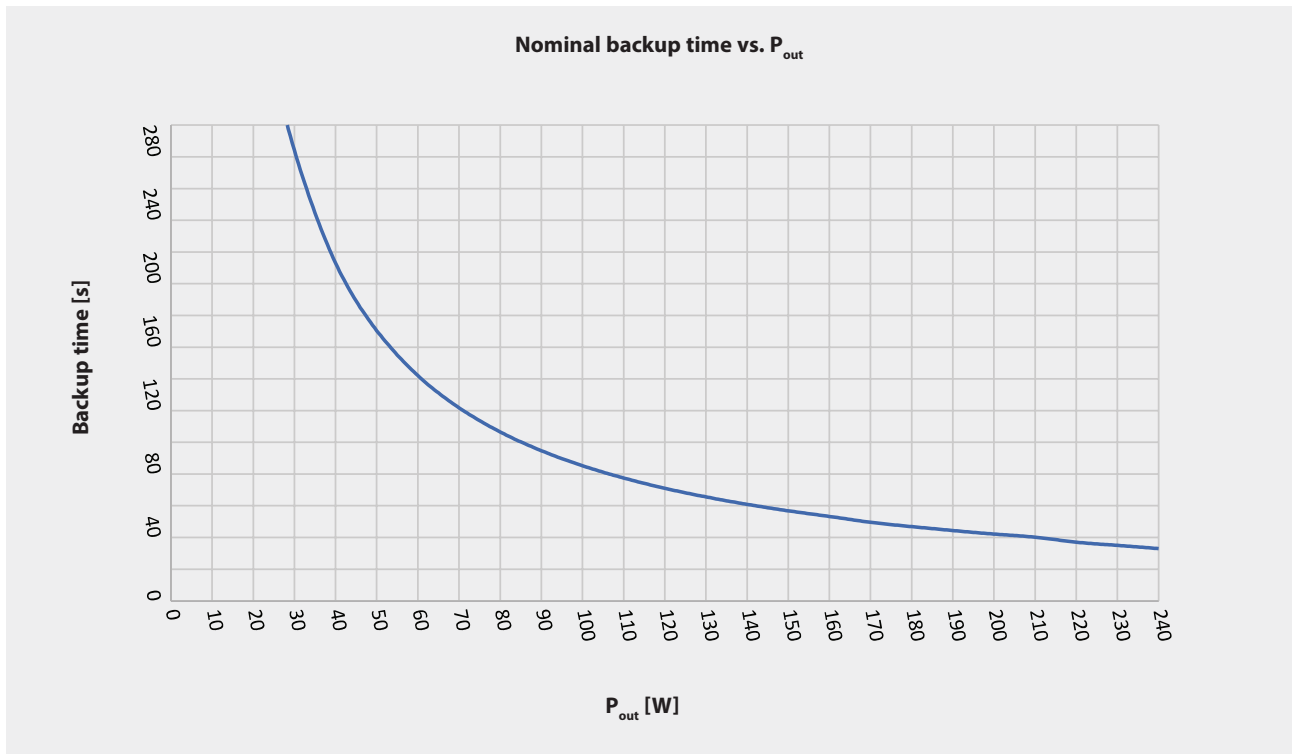
Nominal backup time, measured at +25 °C				
	50 W	100 W	150 W	240 W
BP-SUC-30090	~171 sec	~86sec	~57 sec	~33 sec

Back up time depends on Supercap capacitance, load and temperature.  
At very high or low temperatures a reduction of backup time occurs.

Drawing



Backup time BP-SUC-30090 (measured with UPSI DC UPS)



DC UPS

## Safety information



**Caution:** Parts of the energy storage device are under voltage even when it is disconnected from the UPS system. When handling the device, make sure not to wear any conductive parts, e.g. rings, watches, jewellery. In case of integration into a housing or device, a minimum distance of 3 mm must be maintained between supercap top and housing. When changing the energy packs while the system is running (hot swapping), a period of at least 6 seconds must elapse between disconnecting and re-connecting a energy pack. Please consider to each country's own regulation about recycling and disposal of used caps etc. in hazardous waste or resending to any recycling organization. The energy pack should not be exposed to fire, immersed under water, soldered, opened, short-circuited, reversed or overheated. During storage the energy pack should not be exposed to temperatures outside the specification and should not be pushed too heavy and not exposed to high pressure. Do not swallow any parts of the energy pack.

## Scope of delivery

Quantity	Description
1x	BP-SUC-L - Supercap pack
1x	Data cable Supercap pack 350 mm
1x	Power cable Supercap pack 430 mm