

BP-LFP-2725

LiFePO4 battery pack

- ✓ Long-life battery pack
- ✓ High reliability
- ✓ Safe lithium iron phosphate technology
- ✓ 100% free of lead and cadmium
- ✓ Extended temperature range
- ✓ High performance BMS system
- ✓ Cell balancing
- ✓ Battery relax mode for lifetime extension
- ✓ Integrated protection against deep discharge, over current, over voltage, over charge, short circuit, over temperature and under temperature
- ✓ Compact shrink tube version



NEW



image similar

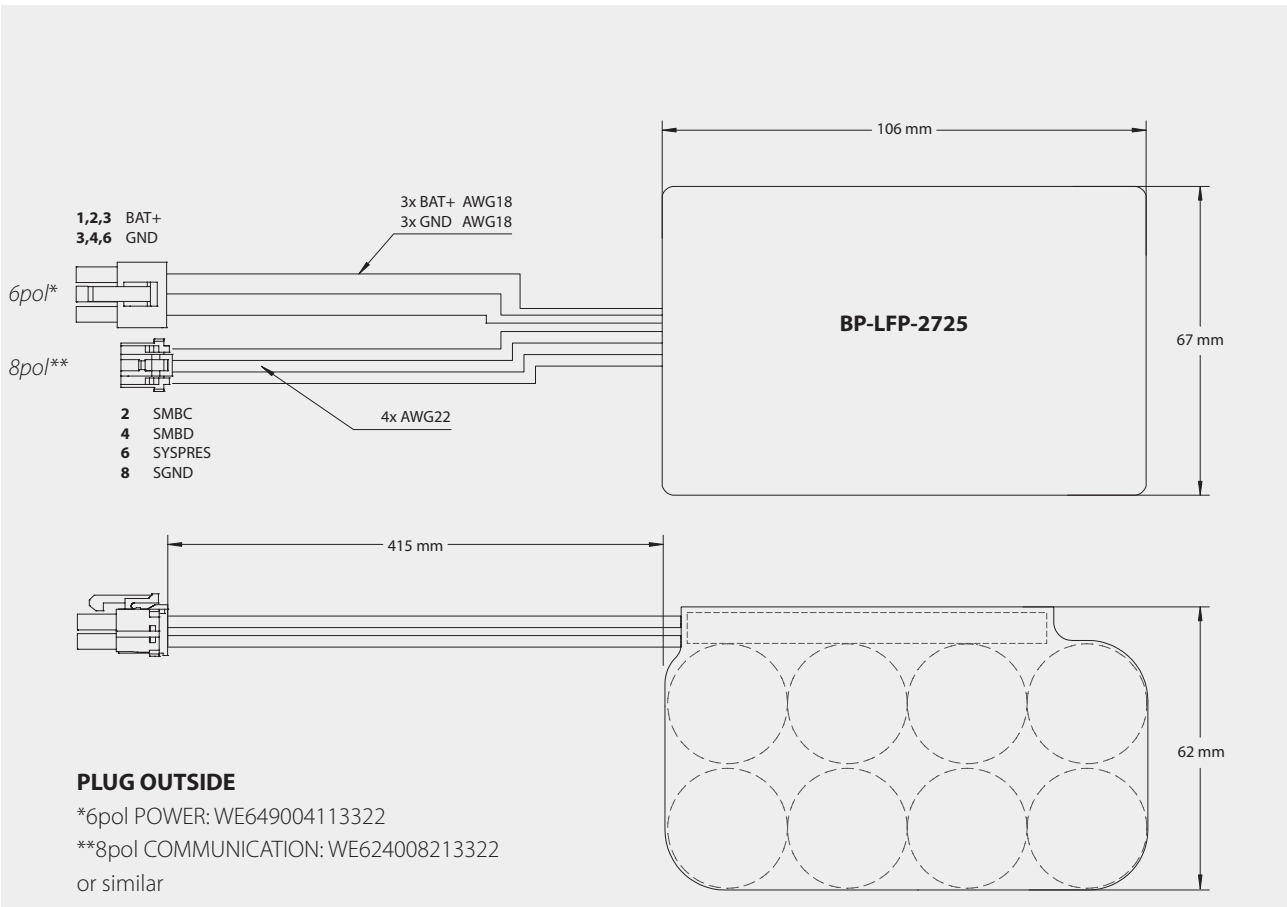
Technical data	
Nominal capacitance	2500 mAh
Technology	LiFePO4 (Lithium iron phosphate)
Life cycles	>6000
Temperature	Operating: -20...+55 °C / Storage: -25...+55 °C
Communication	SMB, Protocol based on „Smart Battery Data Specification REV 1.1“

Product specific data	
P/N	BP-LFP-2725
UPS version	UPSI-2412
Nominal voltage	25.6 VDC
Number of used cells	8 cells, 8s1p, 2.5 Ah, 26650
Energy	64 Wh
Charge voltage	27.6V nom.
Charge current	6.0 A max.
Discharge current	15 A max.
Fuse	20 A
Dimensions (WxDxH)	72 x 110 x 67 mm ±2.0 mm
Weight (net)	~740 g including cables

Nominal backup time, measured at +21 °C			
	50 W	100 W	140 W
BP-LFP-2725	~ 33 min	~ 16 min	~ 12 min

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

Drawing BP-LFP-2725



PLUG OUTSIDE
 *6pol POWER: WE649004113322
 **8pol COMMUNICATION: WE624008213322
 or similar

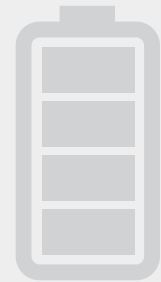
Integrated ON/OFF Switch

<p>ON/OFF Switch</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>ON</p> <p>UPSI</p> <p>OFF</p> </div> <p style="margin-left: 10px;">↑</p>	<p>ON Operation <u>without</u> UPSI-2412. Communication with data cable is not necessary, battery pack is always active.</p> <p>UPSI Operation <u>with</u> UPSI-2412. Communication with data cable is mandatory to activate/operate the battery pack.</p> <p>OFF Long time storage. All functions off.</p>
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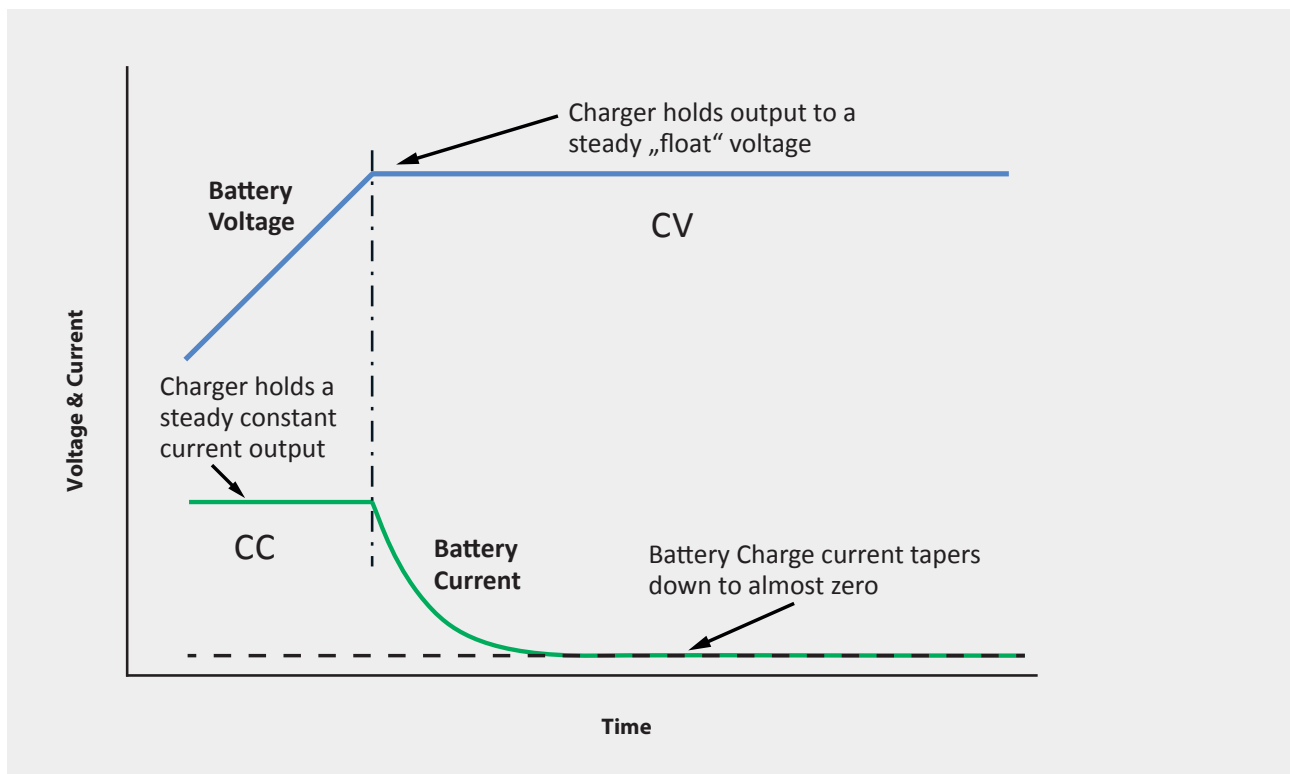
Tolerance: Cable: ±5mm / Battery pack: ±2mm

BP-LFP – LiFePO4 cell specifications

SPECIFICATION	VALUE
Nominal Voltage	3.3V
Nominal Capacity	2.5 Ah
Maximum discharge current - continuous (A)	40 A
Pulse discharge at 10 sec	70 A
Recommended standard charge	4 A to 3.5 V
Recommended fast charge	10 A to 3.5 V
Recommended float charge voltage	3.5 V
Recommended end of discharge cutoff	2.0 V
Absolute maximum cell temperature	85 °C (measured at cell surface)
Weight	75 g
Nanophosphate® Chemistry	M1-B
Current Interrupt Device (CID)	No



BP-LFP – Battery voltage and current during recharge



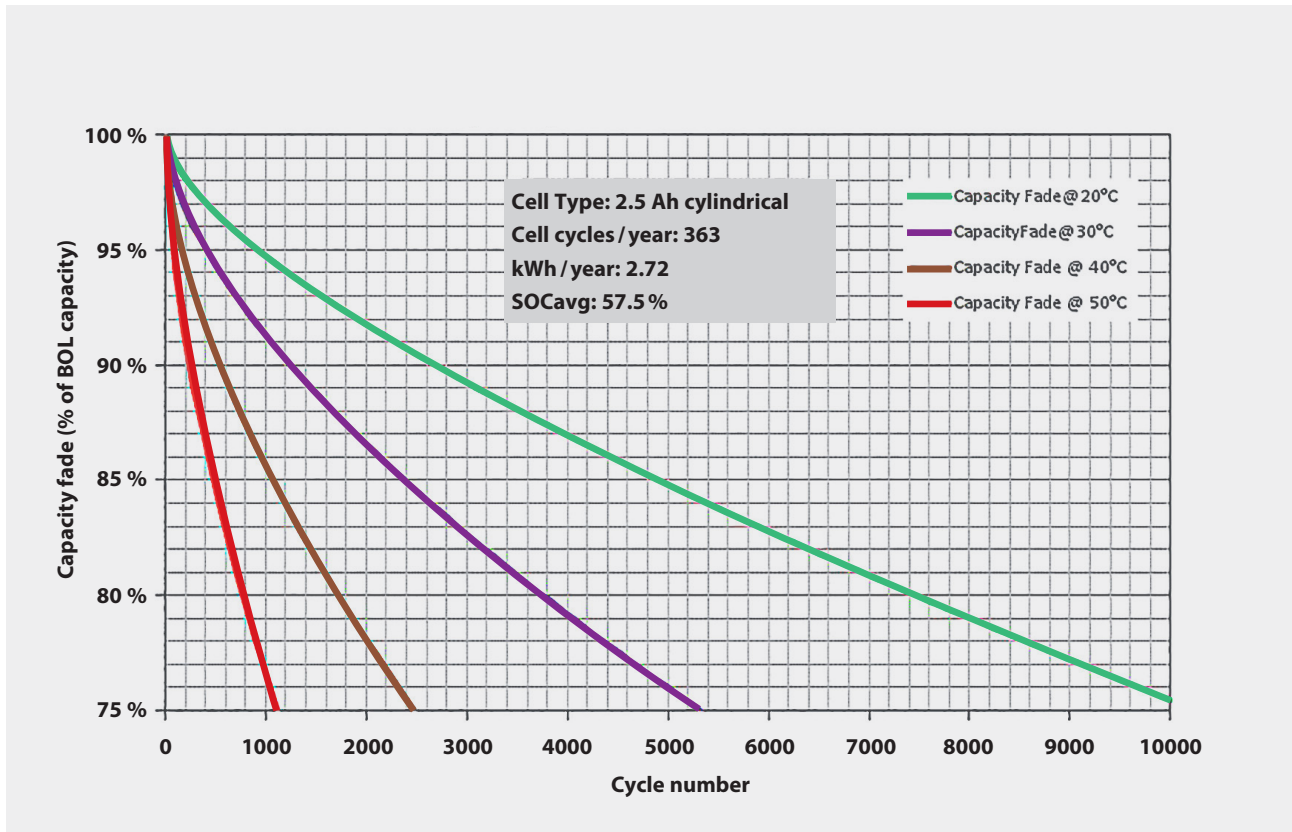
DC UPS

Safety information

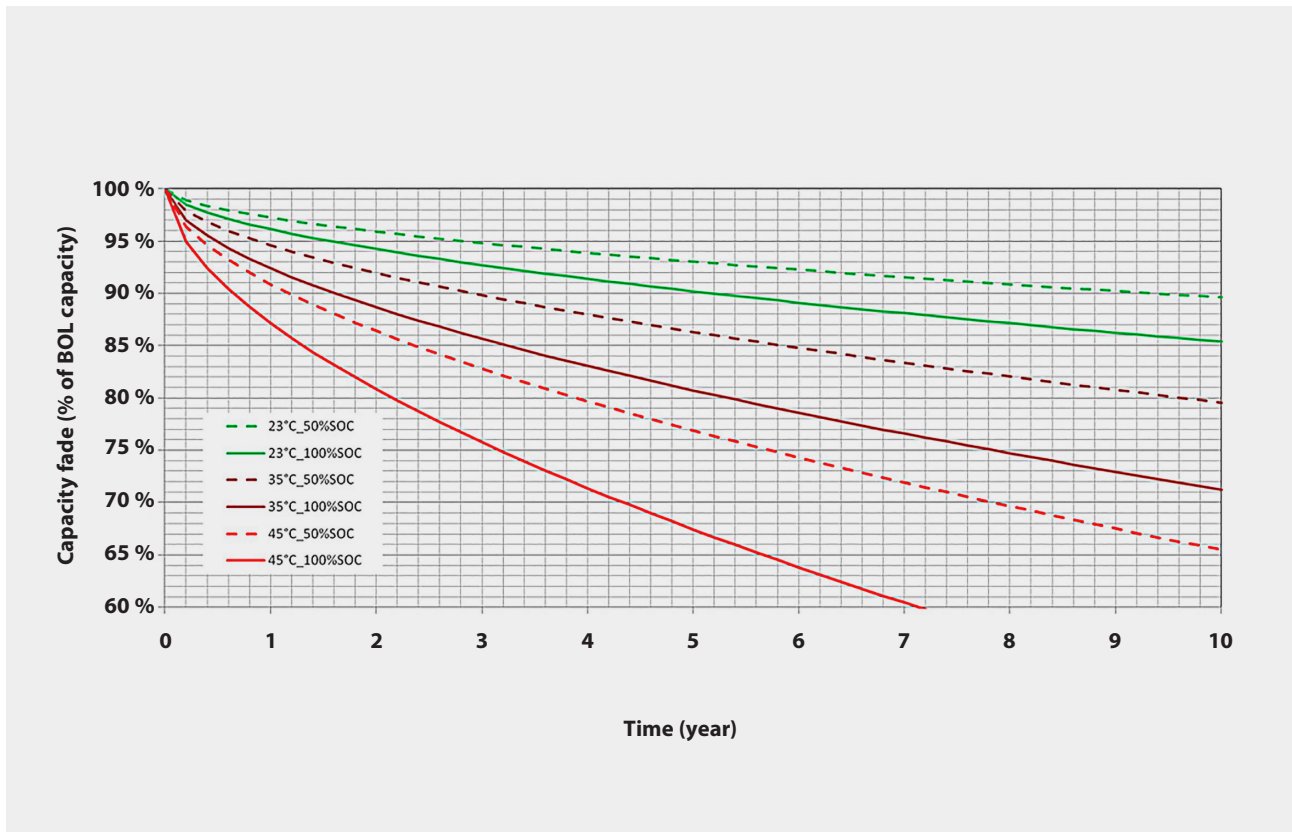


Please consider to each country's own regulation about recycling and disposal of used batteries etc. in hazardous waste or resending to any recycling organization. The battery pack should not be exposed to fire, immersed under water, soldered, opened, short-circuited, reversed or overheated. During storage the battery 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 battery pack.

BP-LFP – Cycle life at various temperatures



BP-LFP – Calendar life at various temperatures



Specification is subject to change without notice. Errors excepted. Status as at: 09/01_2020

DC UPS