

BP-LFP-1375D

LiFePO4 battery packs (DIN rail)

- ✓ Long-life battery pack
- ✓ High reliability
- ✓ Safe lithium iron phosphate technology
- ✓ 100% free of lead and cadmium
- ✓ Extended temperature range
- ✓ High performance BMS system
- ✓ Advanced charging algorithms and cell balancing
- ✓ Battery relax mode for lifetime extension
- ✓ Integrated protection against deep discharge, over current, over voltage and short circuit
- ✓ Ruggedly constructed DIN rail version
- ✓ UN 38.3 transportation certification



NEW



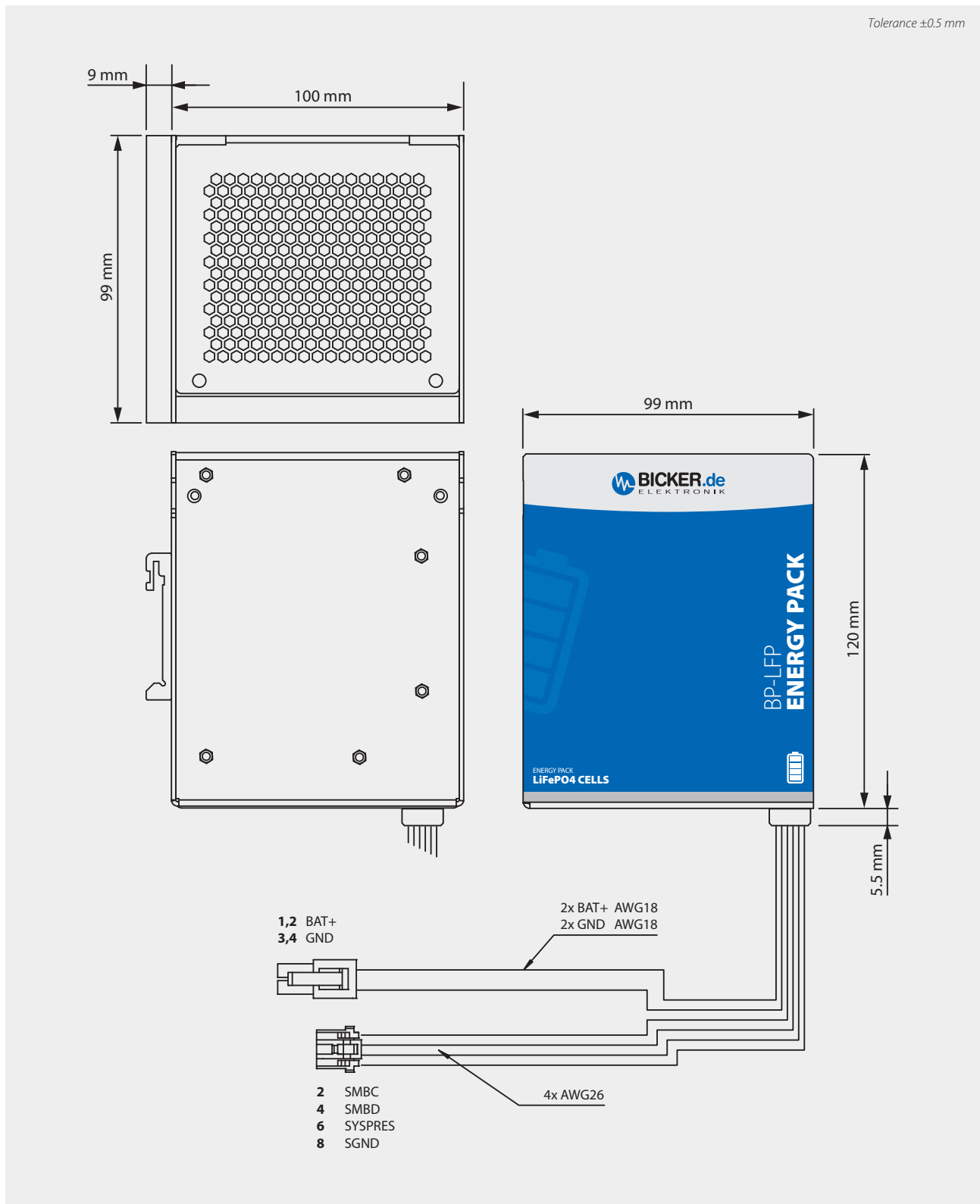
Technical data	
Nominal capacitance	7500 mAh
Technology	LiFePO4 (Lithium iron phosphate)
Life cycles	>6000
Temperature	Operating: -20...+55 °C / Storage: -30...+55 °C
Communication	SMB

Product specific data	
P/N	BP-LFP-1375D
UPS version	UPSI-2406D
Nominal voltage	13.2 VDC
Number of used cells	12 cells, 4s3p, 7.5 Ah, 13.2 V _{nom} , 26650
Energy	99 Wh
ESR	21 mΩ
Charge voltage	14.4 V max.
Charge current	4.5 A max.
Discharge current	15 A max.
Fuse	Littlefuse 1206, 25 A
Dimensions (WxDxH)	99 x 100 x 120 mm ±1.0 mm
Humidity	Operating: 10...90% RH, non-condensing Storage: 10...80% RH, non-condensing
Weight (net)	1250 g including cables

Nominal backup time, measured at +21 °C			
	50 W	100 W	140 W
BP-LFP-1375D	~ 99 min	~ 48 min	~ 36 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-D

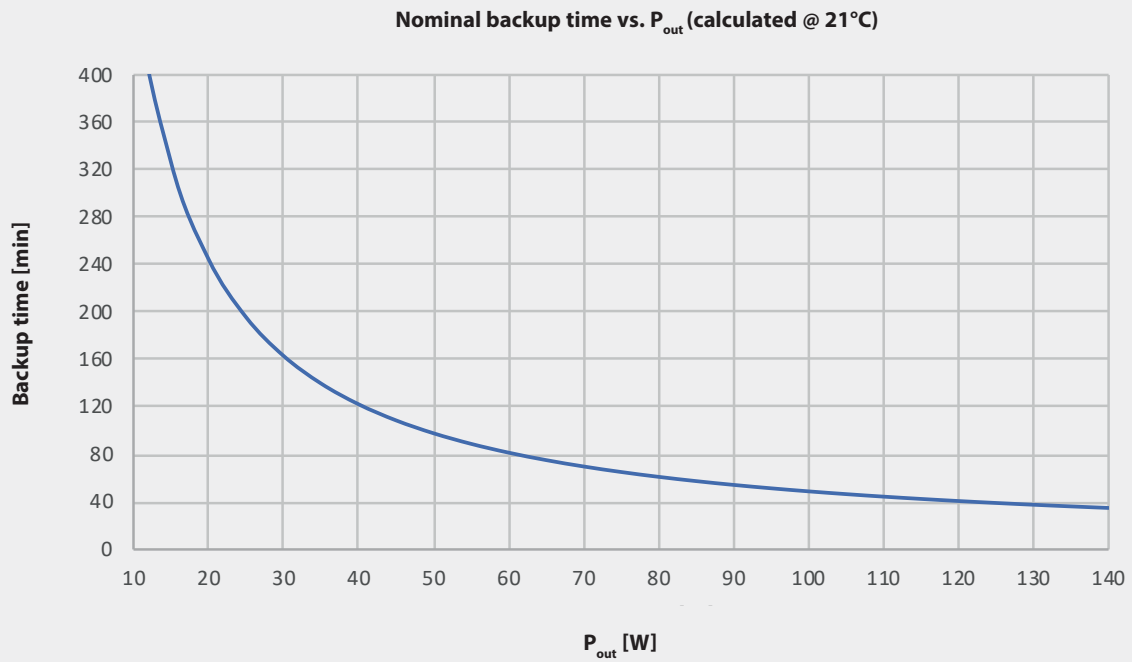


DC UPS

Scope of delivery

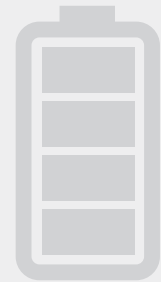
Quantity	Description
1x	BP-LFP-1375D LiFePO4 pack
1x	Data cable LiFePO4 pack 280 mm
1x	Power cable LiFePO4 pack 280 mm

Backup time BP-LFP-1375D

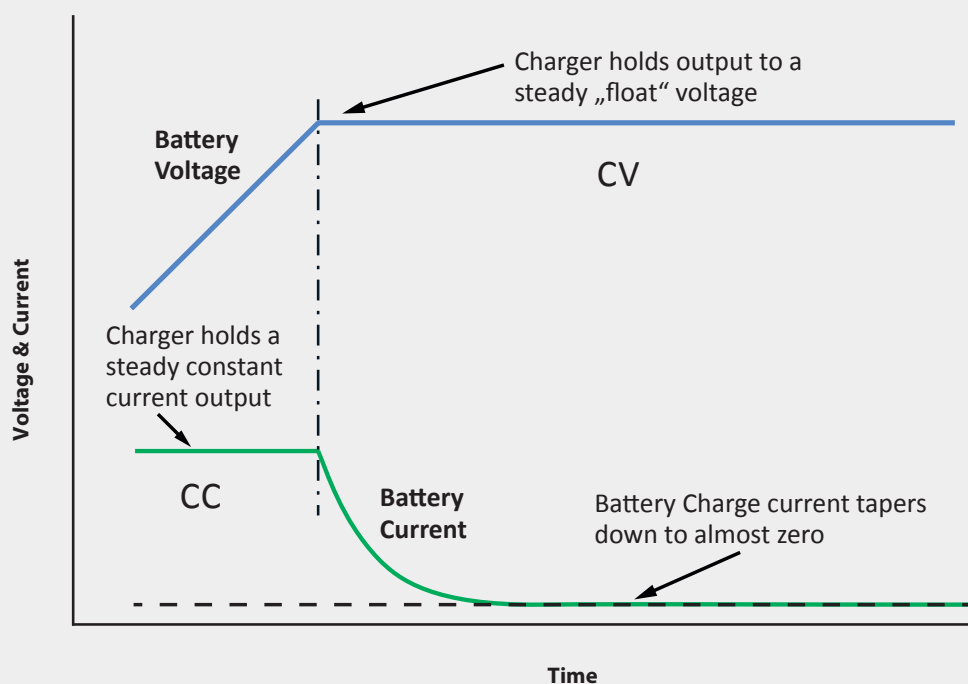


BP-LFP-D – LiFePO4 cell specifications

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-D – Battery voltage and current during recharge

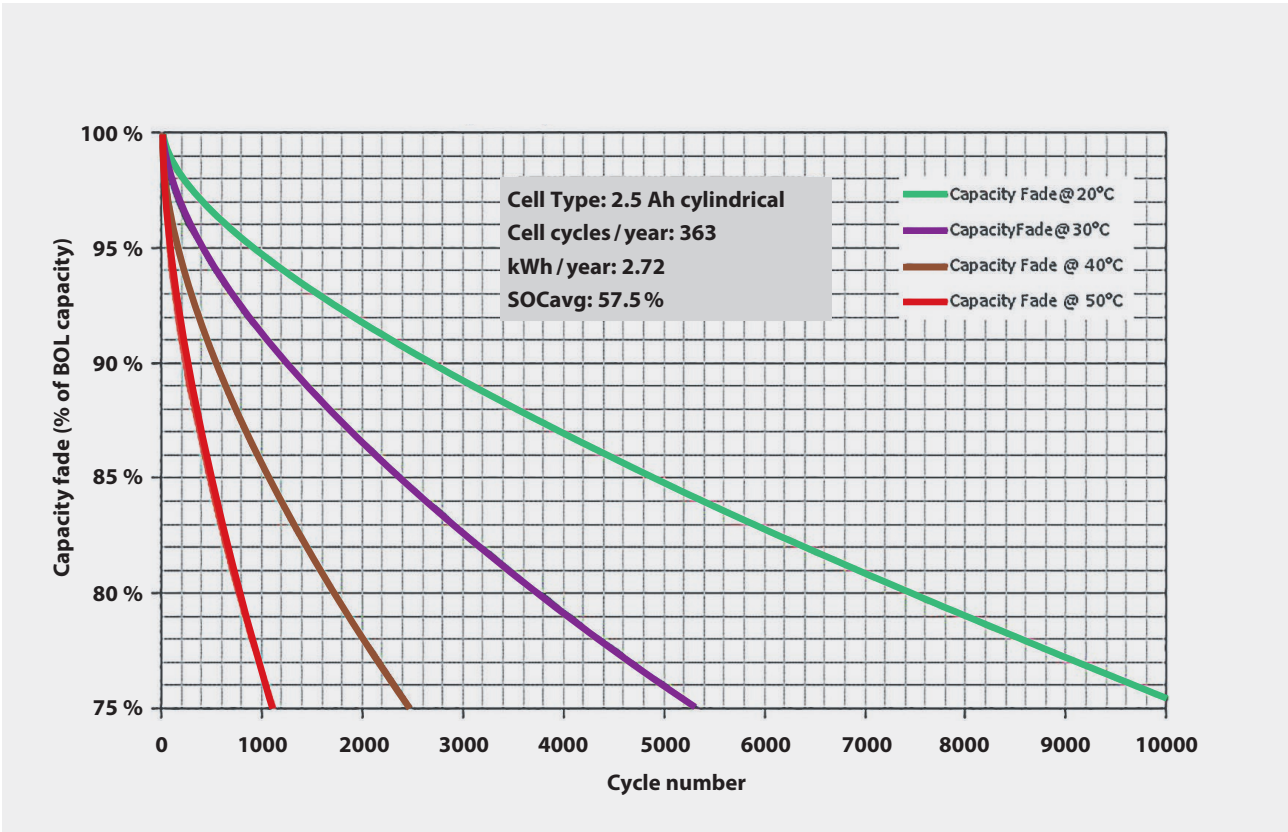


Safety information

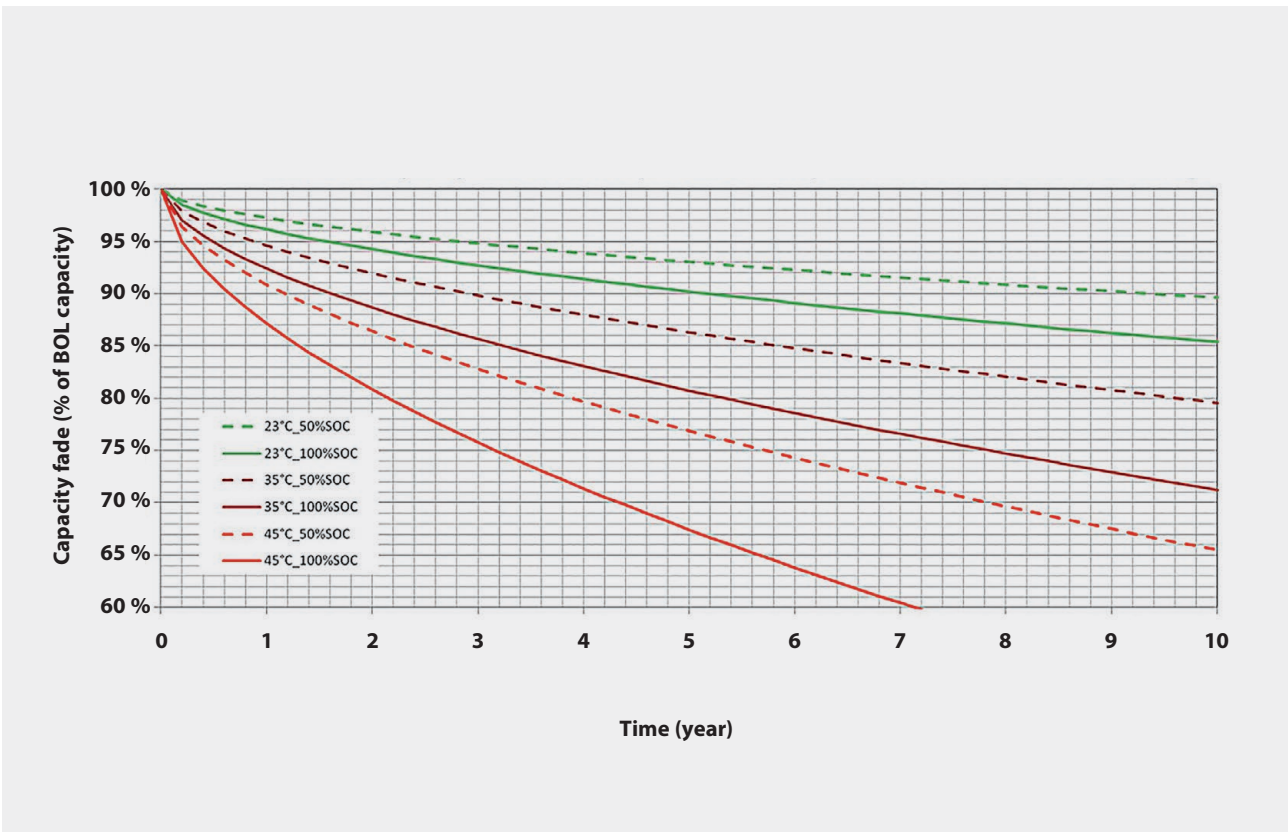


Please consider to each country's own regulation about recycling and disposal of used batteries etc. in hazardous waste or resending to any recycling organization. The battery pack should not be exposed to fire, immersed under water, soldered, opened, short-circuited, reversed or overheated. During storage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



BP-LFP-D – Calendar life at various temperatures



Specification is subject to change without notice. Errors excepted. Status as at: 08.07.2021

DC UPS