

# BP-LFP-1375

LiFePO4 battery pack



**NEW**



- ✓ 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
- ✓ Compact shrink tube version
- ✓ UN 38.3 transportation certification

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-1375
UPS version	UPSI-2406
Nominal voltage	13.2 VDC
Number of used cells	12 cells, 4s3p, 7.5 Ah, 13.2 V <sub>nom</sub> , 26650
Energy	99 Wh
ESR	21 mΩ
Charge voltage	14.4V max.
Charge current	4.5 A max.
Discharge current	15 A max.
Fuse	Littlefuse 1206, 25 A
Dimensions (WxDxH)	66 x 113 x 83 mm ±2.0 mm
Humidity	Operating: 10...90% RH, non-condensing Storage: 10...80% RH, non-condensing
Weight (net)	980 g including cables

Nominal backup time, measured at +21 °C			
	50 W	100 W	140 W
BP-LFP-1375	~ 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.

## Optional Accessories

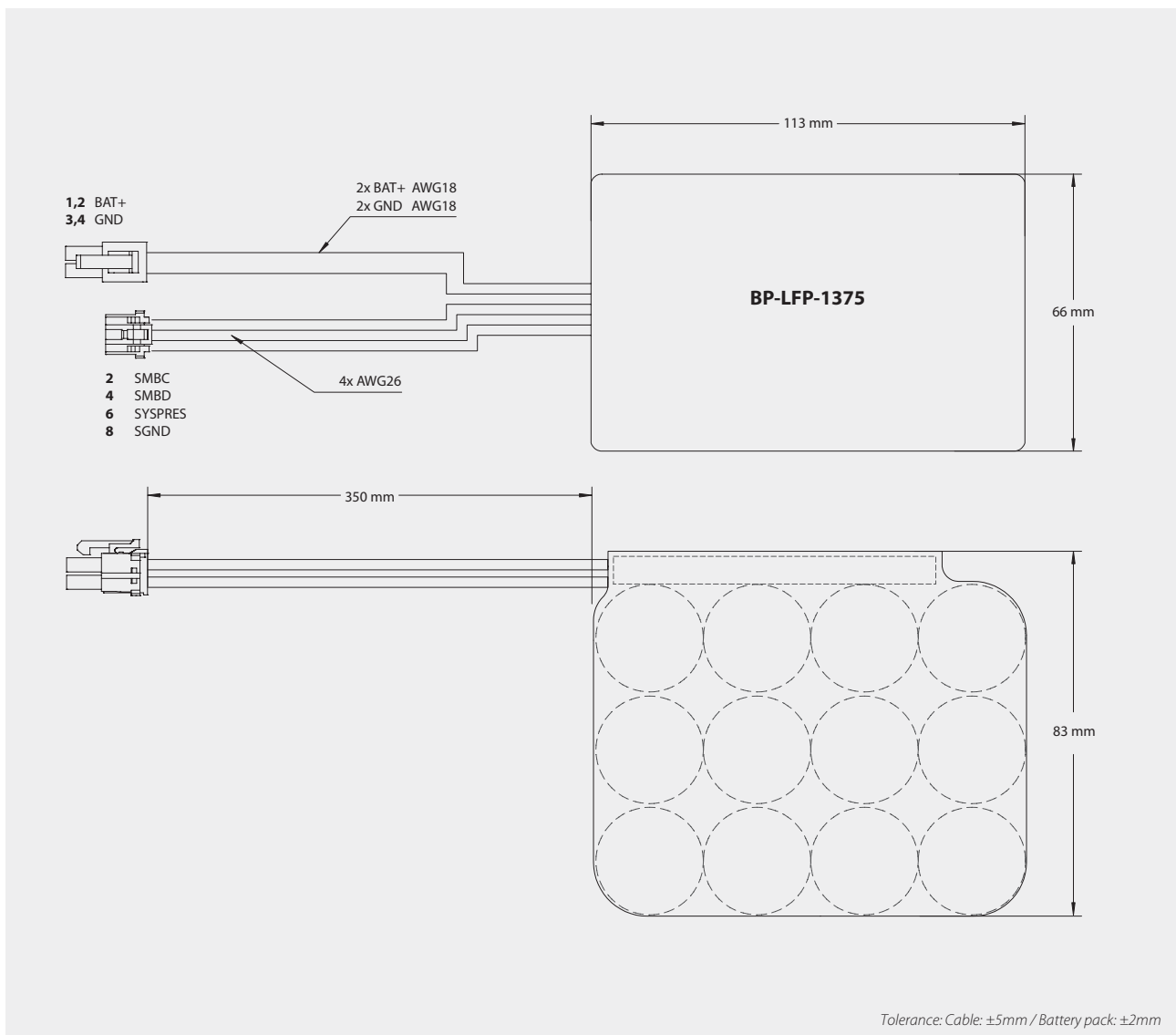
▷▷▷ For detailed information please visit our website [www.bicker.de](http://www.bicker.de) and refer to the article number.

### PSZ-1075 | Mounting bracket

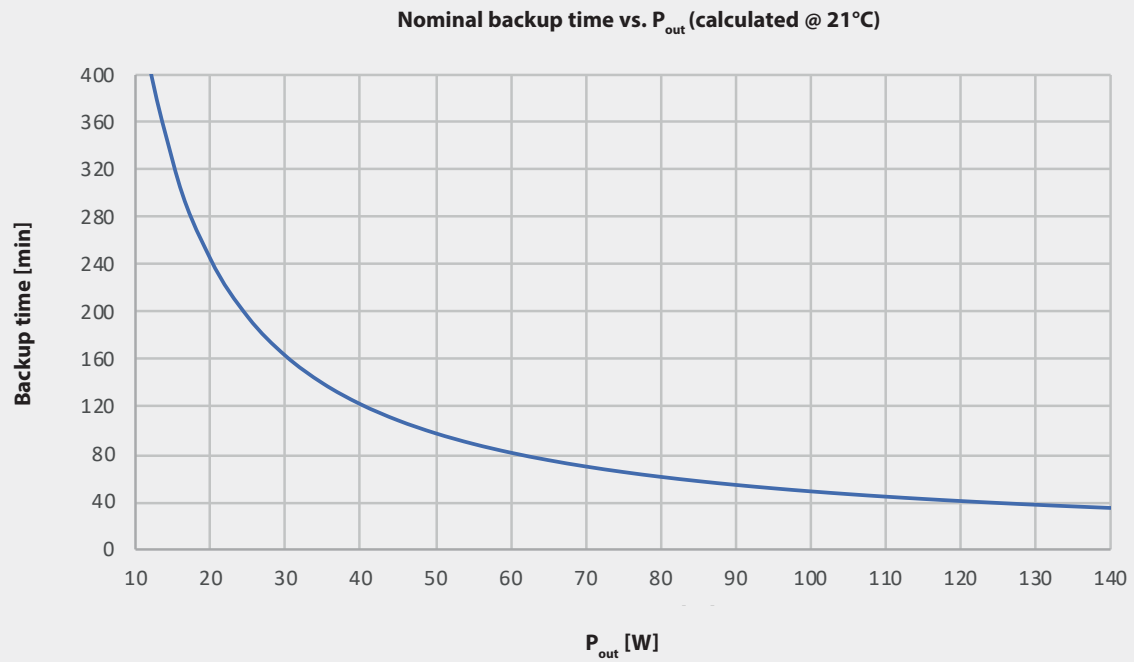
Mounting bracket for BP-LFP-1099/1375,  
2-pieces set



## Drawing BP-LFP-1375

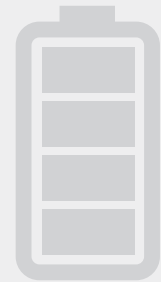


## Backup time BP-LFP-1375

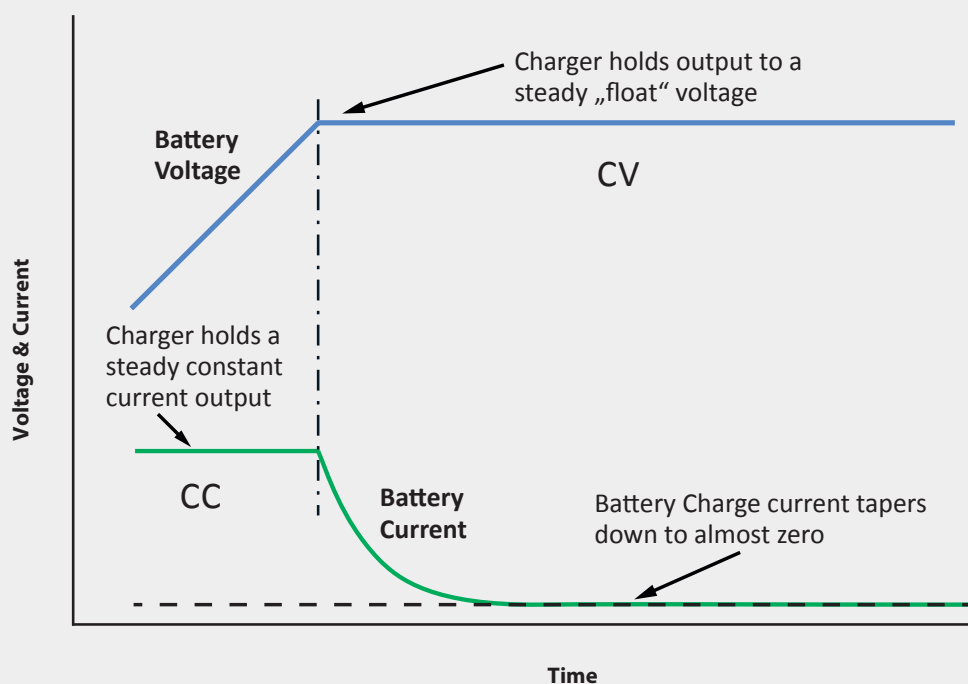


## BP-LFP – LiFePO4 cell specifications

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

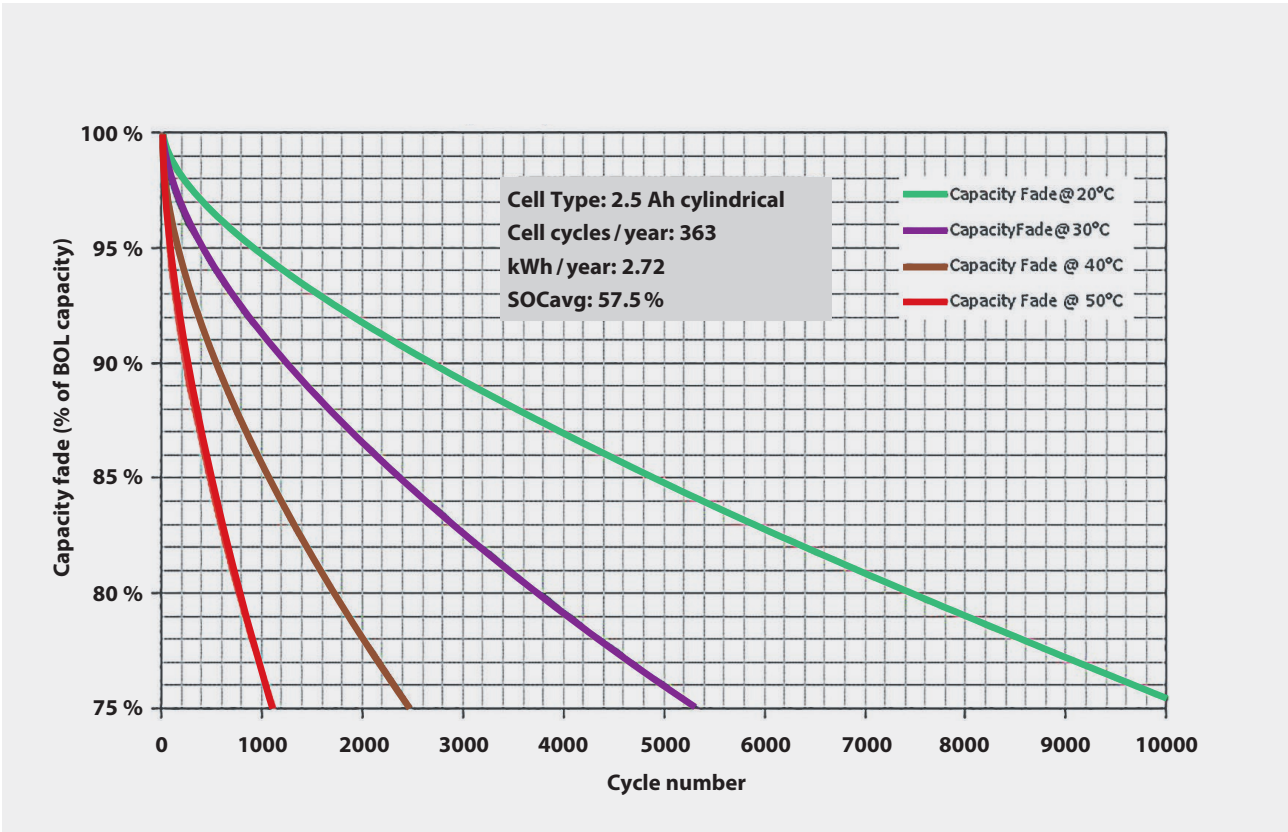


## Safety information

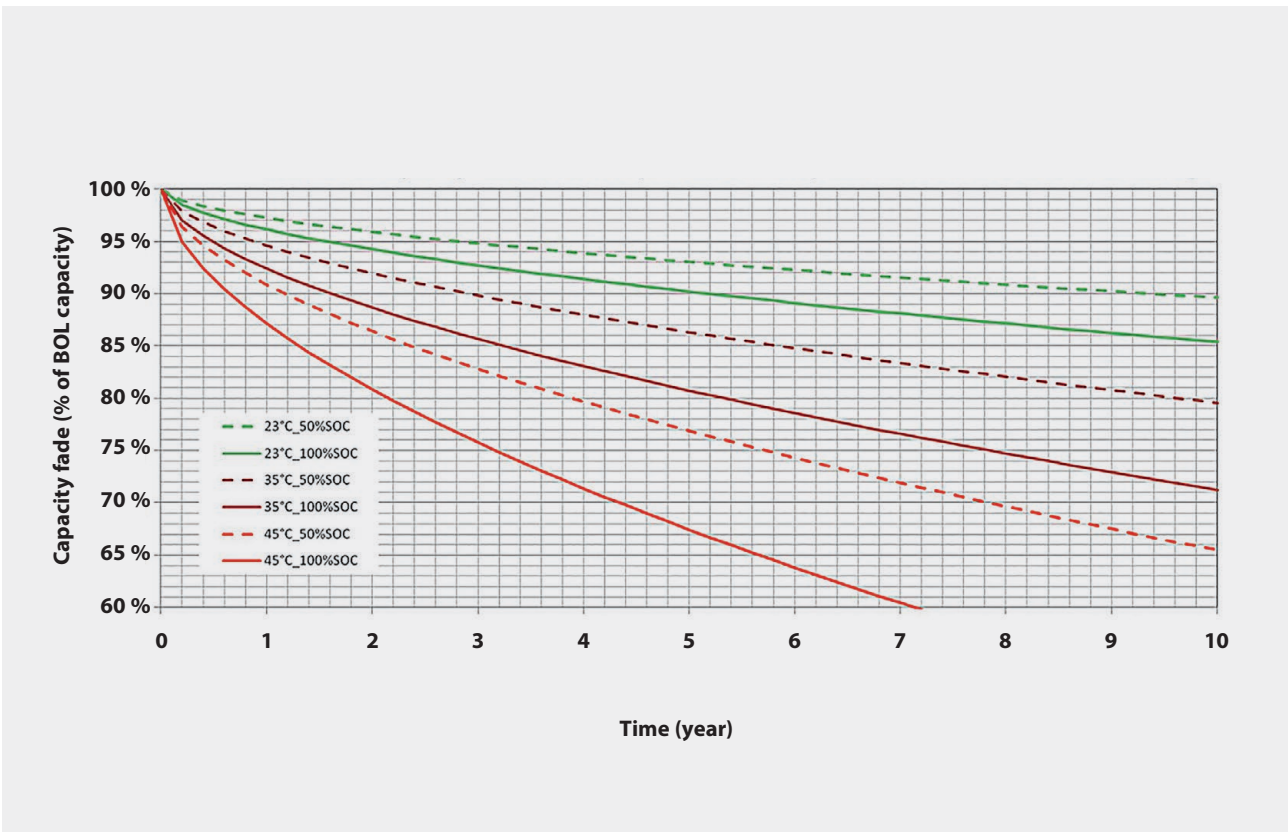


Please consider to each country's own regulation about recycling and disposal of used batteries etc. in hazardous waste or resending to any recycling organization. The battery pack should not be exposed to fire, immersed under water, soldered, opened, short-circuited, reversed or overheated. During storage 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: 08.07.2021

DC UPS