felicitysolar®

Make life full of hope



51.2V

LiFePO4 Battery Pack

LPBA Series

Features

- LiFePO4: Higher safe performance and longer cycle life.
- Multiple Protection with built-in smart BMS, breaker and fuse.
- Compatible with leading inverter brands.
- Flexible Installation: Wall- Mounted or Floor-Mounted.
- Scalable expansion up to 12 pcs in parallel.
- Resist harsh environment with IP65-rate protection.
- Aerosol fire extinguishing system.
- Up to 10-year long warranty.



LPBA48100-OL

Guangzhou Felicity Solar Technology Co.,Ltd.

www.felicitysolar.com sales@felicitysolar.com

No. 2, Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, China **(Only 10 Mins from Baiyun Airport)**

Official Website

Facebook

Model	LPBA48100-OL
Battery Type	LiFePO4
Nominal Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8-57.6V
Recommended Charge/Discharge Current	50A
Max.continuous charge/Discharge current[1]	60A
Peak Charge/Discharge Current(15s)	100A
Scalability	Max. 12 pcs in Parallel(61.44kWh)
Depth of Discharge(DOD)	≥95%
Display Type	LED
Protection Degree	IP65
Working Temperature Range	Charge: 0°C~55 °C
	Discharge: -20°C~55 °C
Storge Temperature Range	0°C~+35°C
Humidity	5%~95%
Altitude	≤ 2000M
Communication	RS485/CAN
Cycle Life[2]	≥6,000 Cycles
Installation	Wall-Mounted / Floor-Mounted
Protection	Built-in smart BMS, Breaker, Fuse
Warranty Period	10 Years
Certification	UN38.3、CE-EMC、IEC 62619、CB
Product Weight	48.5KG
Package Weight	64.5KG
Product Dimension	665X440X175 MM
Package Dimension	760X540X345 MM

[1] Max. Continuous Charge/Discharge Current is Affected by Temperature and SOC.

[2] Test conditions: 0.2C Charging/Discharging @25°C, 80% DOD.

*Product specifications may vary during continuous improvements. Please contact us for latest details.

*Refer to Felicitysolar's Warranty Policy for applicable conditions.

Product Display



IP65 Protection Level



≥6000 High Cycle Life



Aerosol Fire Extinguishing System



Support 12 Pcs in Parallel



Guangzhou Felicity Solar Technology Co.,Ltd.

www.felicitysolar.com sales@felicitysolar.com

No. 2, Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, China **(Only 10 Mins from Baiyun Airport)**

Official Website

Facebook