






51.2V

LiFePO4 Battery Pack

Low-voltage LPBF Series

Features

-  LiFePO4: Higher safe performance and longer cycle life.
-  Flexible Installation: Wall-Mounted or Floor-Mounted.
-  Wide Compatibility: Compatible with leading inverter brands.
-  Scalable expansion up to 6 pcs in parallel.
-  Up to 5-year long warranty.



LPBF48100-A



LPBF48200-A



Model	LPBF48100-A	LPBF48200-A
Battery Type	LiFePO4	LiFePO4
Nominal Energy	5kWh	10kWh
Nominal Voltage	51.2V	51.2V
Operating Voltage	48-57.6V	48-57.6V
Recommend Charge/Discharge Current[1]	≤80A	≤100A
Recommend Charge/Discharge Power[1]	≤4,000W	≤5,000W
Maximum Charge/Discharge Current(15s)	120A	150A
Maximum Charge/Discharge Power(15s)	6,000W	7,500W
Depth of Discharge(DOD)	≥95%	≥95%
Scalability	Max. 6 pcs in Parallel(30kWh)	Max. 6 pcs in Parallel(60kWh)
Communication	RS485/CAN	RS485/CAN
Protection Degree	IP21	IP21
Cycle Life[2]	≥6,000 Cycles	≥6,000 Cycles
Charging Temperature Range	0°C-55 °C	0°C-55 °C
Discharging Temperature Range	-20°C-60 °C	-20°C-60 °C
Display	LCD+LED	LCD+LED
Installation Style	Wall-Mounted / Floor-Mounted	Wall-Mounted / Floor-Mounted
Protection	Built-in Smart BMS, Breaker, Fuse	Built-in Smart BMS, Breaker, Fuse
Warranty	5 Years	5 Years
Certification	UN38.3	UN38.3
Product Weight	44.5KG	66KG
Package Weight	49KG	84KG
Product Dimension	620x375x160MM	704x468x179MM
Package Dimension	722x457x258MM	793x561x349MM

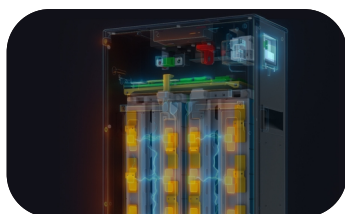
[1] Recommend Charge/Discharge Current/Power is Affected by Temperature and SOC.

[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



Longer Lasting LiFePO4 Battery



Support 6 Pcs in Parallel



Wide Inverter Compatibility



Real-time Status via LCD Screen



Support Wall Mounted Installation

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



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