

L01-48100

- Safest LiFePO₄ Battery
- Cycle Life>6000 times
- Smart Energy Management
- Floor or wall mounting
- 90% Depth of Discharge










Battery Type	Li-ion(LFP)
Nominal Voltage [V]	51.2
Operating Voltage [V]	44.8-57.6
Rated Capacity [Ah]	100
Total Energy [kWh]	5.12
Usable Energy	4.61
Nominal Charge/Discharge Current[A]	50/50
Max Charge/Discharge Current [A] @10s*1	95/95
Cycle Life*2	6000, 25°C
Depth of Discharge	90%
Warranty	5 years (10 years compensation)
Operating Temperature	Charge: 0°C~55°C / Discharge: -20°C~55°C
Humidity [%]	5% to 90%, (no condensing)
Altitude	Below 2000m
Safety Protection Device	software/hardware protection, fuse, active fuse, fire extinguisher
Ingress Protection	IP20
Battery to Inverter	CAN2.0
Battery to Battery	RS485
Inverter Selection	Upper computer
SOC	LED*6
Parallel*3	≤8
Certification & Safety Standard	TUV/CE/IEC/UN38.3
EMC	EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021
Unit Dimensions(W*H*D) [mm]	440*133.5*500(3U)
Unit Weight [kg]	45






*1 Not recommended to use continuously.

*2 Test conditions, at 25°C, charge/discharge rate is 0.2C, 80%DOD.

*3 Refer to inverter wiring diagram.

Accessories

Name	Specification	Remark	Pictures
Power Cable-Positive	Red Gauge: 25mm ² / Length: 1500mm	Optional Battery to Inverter / Combiner Box	
Power Cable-Negative	Black Gauge: 25mm ² / Length: 1500mm	Optional Battery to Inverter / Combiner Box	
Power Cable-Positive	Red Gauge: 25mm ² / Length: 60 / 1500mm	Optional Battery to Battery	
Power Cable-Negative	Black Gauge: 25mm ² / Length: 60 / 1500mm	Optional Battery to Battery	
Power Cable-Positive	Red Gauge: 25mm ² / Length: 2000mm	Optional Combiner Box to Inverter	
Power Cable-Negative	Black Gauge: 25mm ² / Length: 2000mm	Optional Combiner Box to Inverter	
Combiner Box	Combiner Box	Optional	

Name	Specification	Remark	Pictures
Communication Cable (RJ11 to USB)	Communication Cable (RJ11 to USB)	Optional	
Communication Cable to Inverter (Standard 8 pin)	Length: 1500mm RJ45 Plug	Need to mention the default inverter brand	
Communication Parallel Cable	Length: 200 / 1500 mm RJ45 Plug	Optional	
Simple Bracket	Simple Bracket	Optional	
Vertical-mounting Bracket	Vertical-mounting Bracket	Optional	
Wall-mounting Bracket	Wall-mounting Bracket	Optional	