



PW51100-F

ENERGY STORAGE SOLUTIONS

This lithium battery, featuring nice design, safety LiFePO4 cells, reliable BMS and modern battery pack process, widely used for hybrid and off-grid home energy storage system. Various Installation - Flexible Expansion - Compatible with Various Inverters.

Features & Advantages



Various Installation

Wall-mounted or Floor Standing



Expandable

Capacity up to 81.92kWh



High Safety

LiFePO4 & Smart BMS



Wide Compatibility

Compatible with Various Inverter



EV Grade Battery Cells

Deep Cycles Cells



Cost Effective

Our Own Factory Price

Parameters

Model	PW51100-F
Battery Type	LiFePO4
Battery Capacity	100Ah
Nominal Voltage	51.2V
Norminal Energy	5.12kWh
Working Voltage	40V~58.4V
Net Weight	101.4 lb (46kg)
Dimension [L*W*H]	26.8*19.1*6.5 inch (680*485*165 mm)
Maximum Charge Current	100A
Maximum Discharge Current	100A
Charge Voltage	58.4V
Discharge Cut-off Voltage	40V
Charging Temp. Range	0°C~55°C (32°F~131°F)
Discharging Temp. Range	-20°C~60°C (-4°F~140°F)
Series/Parallel Number	16S1P
Communication	CAN/RS485
Cycle Life (25°C@60%DOD)	>8000 Cycles
Cycle Life (25°C@80%DOD)	>6000 Cycles
IP Grade	IP65 (Higher grade optional)
Max. Parallel Connection	16
Color	White/Black
Design Life	20 Years
Warranty	10 Years
Alarms	Overcharge/OverDischarge/Overcurrent/ OverTemperature/ShortCircuit
Monitoring & Protection	Built-in smart BMS
Main Features	Support off-grid and hybrid working mode, compact design, wall and floor type.
Optional Functions	Bluetooth/WiFi/LCD screen/Circuit breaker/APP
Compatible Inverters	Victron/Sol-Ark/SMA/Goodwe/SRNE/Solis/SAJ/ Growatt/Luxpower/Voltronic/Deye/etc.
Certification & Safety Standard	CE/UL 1642/ICE 62619/UN38.3

