



## PW51100-S

### 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 brands



#### Automotive Grade Battery Cell



#### Cost Effective

Manufacturer's Low Price

### Parameters

Model	PW51100-S
Battery Type	LiFePO4
Battery Capacity	100Ah
Nominal Voltage	51.2V
Working Voltage	40V ~ 58.4V
Norminal Energy	5.12kWh
Net Weight	99.2 lbs (45kg)
Dimension [L*W*H]	21 * 16.7 * 7 inch (532 * 425 * 170 mm)
Maximum Charge Current	1C/100A
Maximum Discharge Current	1C/100A
Charge Voltage	58.4V
Discharge Cut-off Voltage	40V
Charging Temp. Range	0°C ~ 60°C
Discharging Temp. Range	-20°C ~ 60°C
Series/Parallel Number	16S1P
Communication	CAN/RS485
Cycle Life (25°C@40%DOD)	>8000 Cycles
Cycle Life (25°C@80%DOD)	>4000 Cycles
IP Grade	IP21 (higher grade optional)
Max. Parallel Connection	Up to 16 Units in Parallel
Color	Black and Gray
Design Life	20 Years
Warranty	10 Years
Alarms	Overcharge/OverDischarge/Overcurrent/ OverTemperature/ShortCircuit
Monitoring & Protection	Built-in smart BMS
Pros	Support off-grid and hybrid working mode, compact design, wall and floor type.
Optional Functions	LCD screen/Circuit breaker
Compatible Inverters	Victron/SMA/Goodwe/SRNE/Solis/SAJ/ Growatt/Luxpower/Voltronic/Deye etc.
Certification & Safety Standard	CE/UL 1642/ICE 62619/RoHS/UN38.3

