

LB16-W SERIES LOW-VOLTAGE BATTERY



Model	ESS-LB16-W01
Main Parameter	
Battery Chemistry	LiFePO4
Capacity (Ah)	314Ah
Nominal Voltage (V)	51.2
Operating Voltage (V)	43.2~58.4
Nominal Energy (kWh)	16.08
Usable Energy (kWh)[1]	14.4
PACK Charge/Discharge Current (A)[2]	200
System Charge/Discharge Current (A)	200
Scalability	Max. 16 pcs pack in parallel
Other Parameter	
Recommend Depth of Discharge	90%
Dimension (W/H/D, mm)	480*800*250
Weight Approximate (kg)	120
Master LED Indicator	5LED (SOC:20%~SOC100%), 2LED (working, alarming)
IP Rating of Enclosure	IP20
Operating Temperature	Charge:0°C~55°C / Discharge: -20°C~55°C
Storage Temperature	-20°C~60°C
Humidity	20%~90%
Altitude	≤2000m
Cycle Life	≥8000 (25°C±2°C, 0.5C/0.5C, 90%DOD, 70%EOL)
Installation	Wall-Mounted
Communication Port	CAN
Certification	UN38.3

[1] 90% DOD, 0.2C charge & discharge at 25°C.System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

ESS-LB16-W01

16kWh Low-voltage Battery System



High safety
Cathode material is made from LiFePO4 with safety performance; The system intelligent BMS can automatically manage charge and discharge state and balance current and voltage of each cell.



Flexible Applications
Floor-standing and wall-mounted installation , 40% less volume, 15% less weight Easy to move by one person with wheels.



High Performance
Maximum discharge current 200A, Multiple battery modules can be in parallel for expanding capacity and power.



Eco-friendly
The whole module is non-toxic, non-polluting and environmentally friendly.