

RACK-MOUNTED ENERGY STORAGE BATTERY

Automatically Match Inverters, 48V/100Ah Available



- IP65 High level protection
- Convenient to PLUG IN/OUT
- 6000 cycles @90% DOD
- Precise Battery Management Technology

- High-density LiFePO4 battery, safer to use
- Possess industry-leading BMS technology
- Compatible with mainstream inverters
- Automatically match mainstream inverters



Stable Power Supply



Precise Management



High Utilization



Long Life Cycle

Model	R51100
Basic Information	
Nominal Voltage	51.2V DC
Voltage Range	44V-58.4V
Nominal Capacity	100Ah
Rated Capacity	5.12kWh
Communication Protocol	CAN / RS485 / RS232
Max. Number of Parallel Connections	15
Cycle Life	6000 cycles (@90% DOD)
Protection Mechanism	Temperature Protection/Over-current Protection/Short-circuit Protection Over-charge Protection/Over-discharge Protection/Low-voltage Protection
Charging Parameters	
Recommended Charging Current	50A
Max. Charging Current	100A
Recommended Charging Voltage	58V
Max. Charging Voltage	58.4V
Discharging Parameters	
Recommended Discharging Current	50A
Max. Discharging Current	100A
Recommended Battery Discharge Cut-off Voltage	44V
Battery Cut-off Voltage	43.2V
Battery Recovery Voltage	48V
General Parameters	
Dimension	500*484*178mm
Gross/Net Weight	46kg/43.5kg
Shell Material	Sheet Metal
Protection Rating	IP20
Installation Method	Rack-mounted
Cell Type	LiFePO4
Certification & Safety Standard	
Safety Certification	UL1973/CE/IEC62619
Transportation Safety Certification	UN38.3, MSDS
Temperature Parameters	
Discharging Temperature	-20 - 60°C
Charging Temperature	0 - 55°C
Storage Temperature	-20 - 45°C