

51.2V100Ah 3U



RACK MOUNTED LI-ION BATTERY



SAFETY

- + Long life type prismatic LiFePO4 cells, suitable for energy storage application.
- + Low voltage system, safety for application.
- + Cell certification: UN38.3, ROHS, IEC62619, UL1973.
- + Battery certification: UN38.3, MSDS, CE

DESIGN

- + Standard 19" rack design.
- + Flexible and easily installation, rack or wall mounted.
- + -20~+55°C widely temperature range.
- + DC Breaker-125A 1P
- + Maintenance free.

SCALABILITY

- + Parallel support for more energy.
- + Communication compatible with the major inverter manufacturers
- + Optional: Heater-200W.

BATTERY MANAGEMENT SYSTEM

- + Independent protection for charge and discharge.
- + SOC, Alarm, Run display and PC software for detailed operation.
- + OVP, LVP, OCP, OTP, LTP protection.
- + RS485, CAN communication port for inverter and Link in& out for battery to battery communication.

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RACK MOUNTED LI-ION BATTERY SPECIFICATION

Part Number	
Model	R-LFP51.2V100Ah
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	100
Total Energy [Wh]	5120
Dimension (W*D*H, mm)	442*400*130.5
Weight [Kg]	41.5
Max. Charging Current [A]	100
Max. Discharging Current [A]	100
Pulse Discharge Current	150A @2S
Charging Voltage [V]	55.2~57.6
End of Discharge Voltage [V]	44.8 (Backup Application) / 48 (Cycle Application)
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range ⁽¹⁾	Standard Product: Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C With Optional Heater: Charge / Discharge: -30 ~ +55°C
Cycle Life	>3500 ⁽²⁾ >6000 ⁽³⁾
Designed Calendar Life	10 Years
Communication interface	For inverter : RS485, CAN For battery to battery: LINK-IN, LINK-OUT
Protection	Over voltage , Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support	Yes, Max. 15 Sets
Series Support	Not support

Note:

(1) Normally the Li-ion battery operation temperature range is : discharge -20~+55°C, charge 0~+55°C, If the heater is installed, it will automatic start to work once the cell temperature is below -5°C and the charger is connected.

(2) 25°C, 0.5C /0.5C , 90%DOD to 80% of initial capacity.

(3) 25°C, 0.5C /0.5C ,80%DOD to 70% of initial capacity.

The datasheet is subject to change without prior notification

Dimension

