

## Datasheet of the LiFePO4 battery 51.2V100Ah

### Nominal Characteristics

Nominal Voltage	51.2 V
Nominal Capacity (@1C)	100 Ah
Nominal Energy	5120 Wh
Cell Chemistry	LiFePO4
Cell type	Prismatic
Internal Resistance	≤9.6 mΩ (AC Impedance, 1000 Hz)
Cycle Life(@25°C, 1C discharge,80%DOD)	≥3000 Cycles

### Charging Specifications

Charge Voltage	58.4 V
Recommended Charging Current	30 A
Max. Charging Current	50 A

### Discharging Specifications

Discharge Cut-off Voltage	41.5 V
Discharging Continuous Current	200 A
Max. Discharging Continuous Current	250A (@ 10s)

### Operating Conditions

Charge Temperature	0°C to 55°C
Discharge Temperature	-20°C to 55°C
Storage Temperature	-20°C to 45°C ( One month) - 0°C to 35°C ( One year)

### Mechanical Characteristics

Weight	48 Kg
Dimension ( L x W x H )	375 x 255 x 330
Communication Interface	Bluetooth (CAN bus et RS485 Optional)
Terminal Type	Connector SB 175
Housing Protection	IP54