

## Datasheet of the LiFePO4 battery 60.8V50Ah

### Nominal Characteristics

Nominal Voltage	60.8V
Nominal Capacity (@1C)	50Ah
Nominal Energy	3040Wh
Cell Chemistry	LiFePO4
Cell type	Prismatic
Internal Resistance	≤13.3mΩ (AC Impedance, 1000 Hz)
Cycle Life(@25°C, 1C discharge,80%DOD)	≥7000 Cycles

### Charging Specifications

Charge Voltage	69V
Recommended Charging Current	20A
Max. Charging Current	30A

### Discharging Specifications

Discharge Cut-off Voltage	48.5V
Discharging Continuous Current	50A
Max. Discharging Continuous Current	100A @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	37.6Kg
Over all Dimensions ( L x W x H )	575 x 140 x 250.5
Communication Interface	Bluetooth (CAN bus et RS485 Optional)
Terminal Type	Connector XBE 160A
Housing Protection	IP 54