

Datasheet of the LiFePO4 battery 51.2V50Ah

Nominal Characteristics

Nominal Voltage	51.2V
Nominal Capacity (@0.5C)	50Ah
Nominal Energy	2560Wh
Cell Chemistry	LiFePO4
Cell type	Prismatic
Internal Resisitance	≤ 11.2 mΩ (AC Impedance, 1000 Hz)
Cycle Life (@25°C, 1C discharge,80%DOD)	≥4000 Cycles

Charging Specificaitions

Charge Voltage	58.4V
Recommended Charging Current	20A
Max.Charging Current	50A

Discharging Specificaitions

Discharge Cut-off Voltage	41V
Discharging Continuous Current	50A
Max.Discharging Continuous Current	150A @30s

Operating Conditions

Charge Temperature	0°C to 50°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	≤ 35Kg
Dimension (L x W x H)	495 x 140 x 220
Communication Interface	Bluetooth (CAN bus et RS485 Optional)
Terminal Type	Connector XBE 160A
Housing Protection	IP 54