



# 48V 100AH LITHIUM BATTERY



## ► Features

- A grade brand new prismatic LiFePO4 cells
- $\geq 4000$  cycles @80% DOD(25°C, 0.5C )
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- Cell balance function
- Support RS485, CAN, RS232 communication
- Max.8 battery packs can be connected in parallel

## ► Electrical Characteristics

Model	LFP4.8KWH48V-P20R1
Battery Type	LiFePO4
Nominal Voltage (V)	48
Nominal Capacity (AH)	100
Energy (WH)	4800
Pack Mode	15S1P
Continuous Discharge Current (A)	50
Charge Cut-off Voltage (V)	54
Discharge Cut-off Voltage (V)	39
Max.Charge Current (A)	50
Max.Discharge Current (A)	100
Peak Discharge Current (A)	130@10S
Recommend Discharge Current (A)	50
Recommend Discharge Depth (%)	80
Cycle Life	$\geq 4000$ cycles (25°C, 0.5C ) 80% DOD
Communication	RS485 CAN RS232
Display	LED
Charge&Discharge Temperature (°C)	Charge: 0°C~+55°C / Discharge: -20°C~+60°C
Optimal Storage Temperature (°C)	5°C ~ +35°C
Recommend Storage Humidity	20%~80%
Terminal	M6
Dimensions (L*W*H) (mm)	502*482*176
Weight (Kg)	47±1
Transportation	UN38.3、MSDS、IEC62619、EN IEC61000-6-1/2/3/4
IP Class	IP20