



<b>Model</b>	SQPSi48-100
<b>Nominal Voltage</b>	48V
<b>Nominal Capacity</b>	100 Ah
<b>Dimensions</b>	442*400*225 mm
<b>Approximate Weight</b>	42 Kg
<b>Internal Impedance</b>	≤ 40 mΩ
<b>Technology</b>	Lithium Iron Phosphate (LiFe PO4)
<b>Operating Voltage Range</b>	38V ~ 55V
<b>Recommended Charge Current</b>	20A (0.2 capacity)
<b>Maximum Charge Current</b>	100A
<b>Discharge Cut Off Voltage</b>	38V 0.2V
<b>Recommended Discharge Current</b>	20A (0.2 capacity)
<b>Maximum Discharge Current</b>	100A
<b>Operating Temperature</b>	Charge: 0 ~ 55°C / Discharge: -0 ~ 60°C
<b>Storage Temperature</b>	-20 ~ 65°C (1 month) -10 ~ 45°C (3 month) 10 ~ 35°C (6 month)
<b>Storage Humidity</b>	60 ± 25% R.H
<b>Cycle Life</b>	5200 cycles @ 80% DoD, 0.5C
<b>Communication Port</b>	RS485 / RS232 / CAN

### BMS FUNCTION

**SQLi series battery is packed with the Battery System (BMS).**

The main function of the BMS are as follows:

- Over charge protection
- Over discharge protection
- Over charge current protection
- Over discharge current protection
- Short protection
- Temperature protection
- Balance function
- Communicate function
- Alarm function

### CHARACTERISTICS

- Use LiFePO4 as material of cell, can give up to 100% Depth of Discharge (DoD)
- 1/3 size of Lead Acid Battery

### APPLICATION

- Telecommunication
- Energy Storage