

JR48100M ▶ POWER LITHIUM BATTERY



- **LiFePO4 as cathode material**
- **Excellent safety, long lifespan**
- **High energy density, Parallel operation**
- **High operational reliability**
- **Application: HES, Off-grid ESS, Industrial and Commercial Energy Storage**

Model	VEH48100M
Nominal Voltage	48V
Nominal Capacity	100Ah@0.2C,25°C
Nominal Energy	4.8kWh @0.2C,25°C, 37.5V-55.5V
Dimensions (W*H*D)	442*400*130mm
Weight	38±0.5kg
Charge Voltage	Max: 55.5V
Charge Current	20A@25°C (Standard) 100A@25°C
Charge Cut-off Voltage	55.5V
Discharge Current	20A@25°C (Standard) 100A@25°C (Max Continuous Current)
Discharge Cut-off Voltage	37.5 V
Operating Temperature	Charge 0°C-55°C Discharge -20°C-60°C
Storage Duration	1)≥12months @-20-45°C (25%-75%SOC) 2)≥3months @-20-45°C (25%-75%SOC)
Storage Temperature	-20°C-60°C
Storage Humidity	5%-95% RH
Expected Life Time	5 years @35°C 10 years @ 25°C
Elevation	Normal operating altitude:≤3000m; 4000>altitude >3000m :When the altitude increases 200m,the operating temperature decreases by 1°C
Certification	TUV/UL/CE/UN38.3
Protection Class	IP20
Cycle Life	≥4000 cycles @ 80%DOD

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