



LiFePO<sub>4</sub> Battery Range

## FW 12-200

### Electrical Characteristics

Nominal Voltage[V]	12.8V
Nominal Capacity	200AH
Energy	2560Wh
Internal Resistance	≤30mΩ
Cycle Life	>2000 cycles at 0.2C 100% DOD
Months Self Discharge	<3%
Efficiency of Charge	100% at 0.5C
Efficiency of Discharge	96-99% at 1C

### Charge

Charge Volt	14V-14.6V
Charge Mode	CC at 0.2C to 14.6V, then at CV14.6V to charge current less than 0.02C
Charge Current	40A
Max. Charge Current	80A
Charge Cut-off Voltage	14.6V

### Discharge

Max. Continuous Current	100A
Max. Pulse Current	160A
Discharge Cut-off Voltage	10.5V

### Environment

Charge Temperature	0°C to 45°C (32F to 113F) at 60±25% Relative Humidity
Discharge Temperature	-20°C to 60°C (-4F to 140F) at 60±25% Relative Humidity
Storage Temperature	0°C to 40°C (32F to 104F) 60±25% Relative Humidity
Water Dust Resistance	IP56

### Mechanical

Cell Material	Prismatic LiFePO <sub>4</sub> cell in 4S8P
Plastic Case	ABS
Dimensions(in./mm)	522x239x219mm
Weight (lbs./kg.)	24kg
Terminal	M8

### BMS

Protection Function	Over charge protection, Over discharge protection, Over current protection, Short current protection, Balanced function, Temperature protection
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