



LiFePO₄ 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 ₄ cell in 4S8P
Plastic Case	ABS
Dimensions(mm)	522x239x219mm
Weight (kg)	24kg
Terminal	M8

BMS

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