



ECO GREEN ENERGY
Building a Greener World



EGE-LiFePO₄ Battery 12.8V

LITHIUM IRON PHOSPHATE BATTERY

200Ah

Eco Green Energy has designed its lithium iron battery series that provide versatility, durability and reliability to your On-Grid and Off-Grid Projects. Certified by international standards, our batteries offer you a wide range of options for your energy storage needs.

FEATURES

- The whole module is non-toxic, non-polluting and environmentally friendly;
- Battery management system (BMS) has protection functions including over-discharge, over-charge, over-current and high/low temperature;
- The cathode material is made from LiFePO₄ with safety performance and long cycle life;
- Small size and lightweight, comfortable for installation and maintenance;

APPLICATIONS

- Wheelchairs and scooters;
- Back-up power for small UPS;
- Solar/wind energy storage;
- Golf trolleys & buggies;



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Electrical Characteristics

12.8V 200Ah

Nominal Voltage	12.8V
Nominal Charge Capacity	200AH
Energy Capacity Rating	2560WH
Internal Resistance (AC)	≤20mΩ
Cycle Life	85%DoD
Self-discharge rate	<3% per month
Efficiency rate	100%@0.5C
Discharge efficiency rate	96-99% @0.5C



EGE-12.8V 200Ah

Charge Characteristics

Charging voltage	14.4 0.2V
Charging method CC-CV	0.5C-14.4V
Recommended charging current	50A
Maximum charging current	100A
Charge Cut-off Voltage	14.4V ±0.2V

Discharge Characteristics

Recommended discharge current	100A
Maximum discharge current	200A
Discharge Cut-off Voltage	20V

Environmental Characteristics

Operating Temperature range	0°C to 45°C (32F to 131F) @60±25%RH
Storage Temperature range	-20°C to 45°C (-4F to 113F) @60±25%RH
IP Rating	IP65

Mechanical

Case Material	ABS
Dimensions	522*238*218 mm
Approx.Weight	24kgs
Terminal	M8

PERFORMANCE CHARACTERISTICS

