



**ECO GREEN ENERGY**  
Building a Greener World



# EGE-LiFePO4 Battery 25.6V

## LITHIUM IRON PHOSPHATE BATTERY

**100Ah**

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

### 25.6V 100Ah

Nominal Voltage	25.6V
Nominal Charge Capacity C10	100Ah
Nominal Energy at C10	2560Wh
Internal Resistance (AC)	≤20mΩ
Cycle Life	>4500 cycles @0.5C,80%DoD
Self-discharge rate	<3% per month @25°C
Charge efficiency rate	100% @0.5C
Discharge efficiency rate	96-99% @0.5C



EGE-25.6V 100Ah

## Charge Characteristics

Charge Voltage	28.8 ±0.2V
Charging method CC-CV	0.5C-28.8V
Recommended charging current	25A
Maximum charging current	50A
Charge Cut-off Voltage	28.8 ±0.2V

## Discharge Characteristics

Recommended discharge current	100A
Maximum discharge current	200A (<5s)
Discharge Cut-off Voltage	20V

## Environmental Characteristics

Operating Temperature range	0°C to 55°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	530*207*215mm
Approx.Weight	24kg
Terminal	M8

## PERFORMANCE CHARACTERISTICS

