



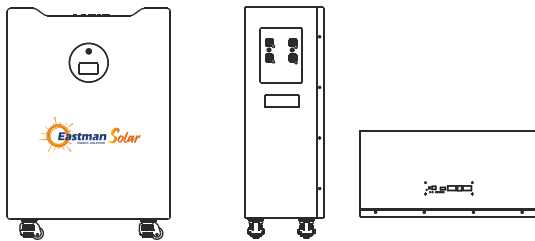
RESIDENTIAL ES51.2V LiFePO4 (Lithium Phosphate) ENERGY STORAGE BATTERY

MADE IN INDIA

Certifications



Structural Part Description



Introduction

Upgrade your Energy Storage with our Lithium Phosphate Battery. Stay informed with real-time operation status via the LCD Screen, ensuring total control and efficiency for your power requirements.

Product Features

- LCD Display for monitoring energy storage, power data and operating status.
- High-Quality LiFePo4 Battery for Deep Cycle and Long Lifespan.
- Metal Casing that ensures waterproof and explosion-proof safety.
- External Main Switch to reduce product power consumption and improve safety.
- Mobile bottom wheels designed for easy installation across various locations with ease.
- In-built BMS for Over-Voltage, Over-Load and Over-Temperature protection.
- Compatible - It can be connected to different types of loads within the voltage range.
- Installation option: Floor mount.

Product Specifications

Model	ES51.2-280LP
Array Mode	16S
Nominal Energy (kWh)	14.3
Nominal Voltage (V)	51.2
Charge Voltage (V)	58.4
Discharge Cut-off Voltage (V)	42
Standard Charging Current(A)	56
Max. Continuous Charging Current (A)	200
Max. Continuous Discharging Current (A)	200
Cycle Life	6000 Cycles @80% DOD @25°C @0.5C/0.5C
Communication Mode	RS485/CAN, RS232, RS485/RS485
Parallel Connection	Yes, upto 15 units
Operating Temp	Charging: 0~60°C; Discharging: -10°C~65°C
Size(LxWxH) mm	750x580x279
Net Weight (kg)	~113
Gross Weight (kg)	~128
Warranty	5 Years
Altitude	≤4000m
Humidity	<90%RH
Shelf Temperature	10°C~60°C
Design Life	10+ Years at 25°C/77°F