



The **WISE** Choice

EASTMAN WORLD

Eastman has a strong global presence and has tailored its products to meet the needs of the export market, providing high-quality energy storage and solar solutions.



LIFEPO₄ ENERGY STORAGE BATTERY

LiFePo₄ (Lithium Phosphate)
| High Voltage Battery | Rack Type Energy Storage

CONTENT

Residential

1. ES25.6-100LP	3
2. ES25.6-230LP	3
3. ES51.2-100LP	4
4. ES51.2-230LP	4
5. ES51.2-280LP	5

ESS (Energy Storage System)

1. ES51.2-100BS	6
2. ES51.2-400BS	7
3. ES192-100BS	8
4. ES240-100BS	8
5. ES288-100BS	8
6. ES336-100BS	9
7. ES384-100BS	9

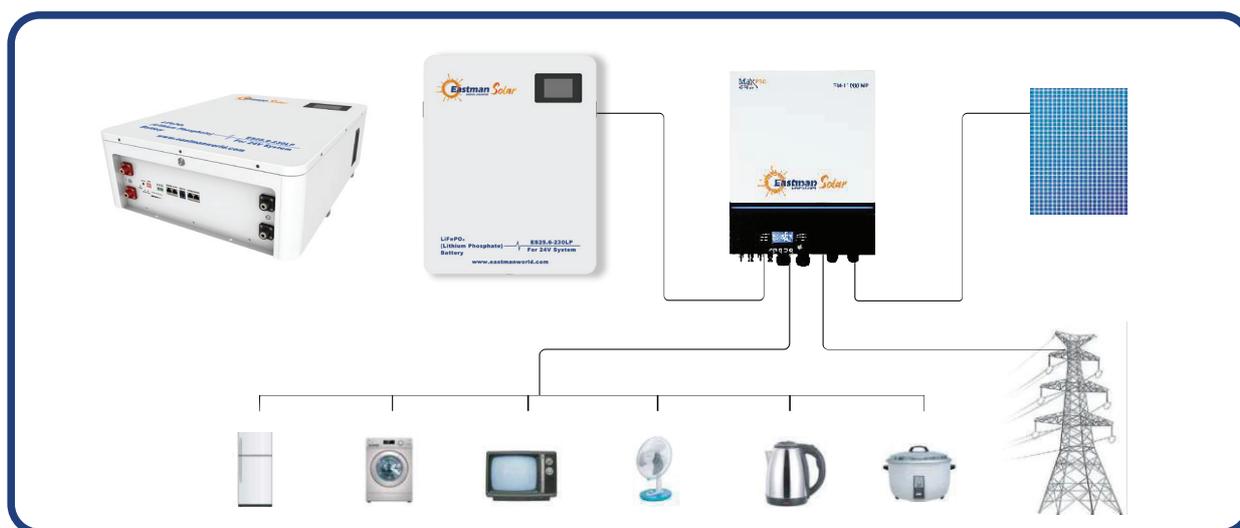
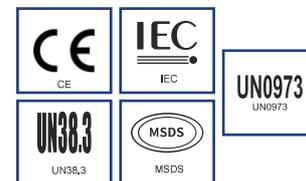


RESIDENTIAL ES25.6V LiFePO4 (Lithium Phosphate) ENERGY STORAGE BATTERY

Product Features

- Real-time monitoring of operation status by LCD screen.
- Intelligent Air Cooling & Heat Dissipation.
- RS485/CAN Communication - for connecting more batteries in parallel.
- Installation options: Floor or Wall mount.

Certification



Product Specifications

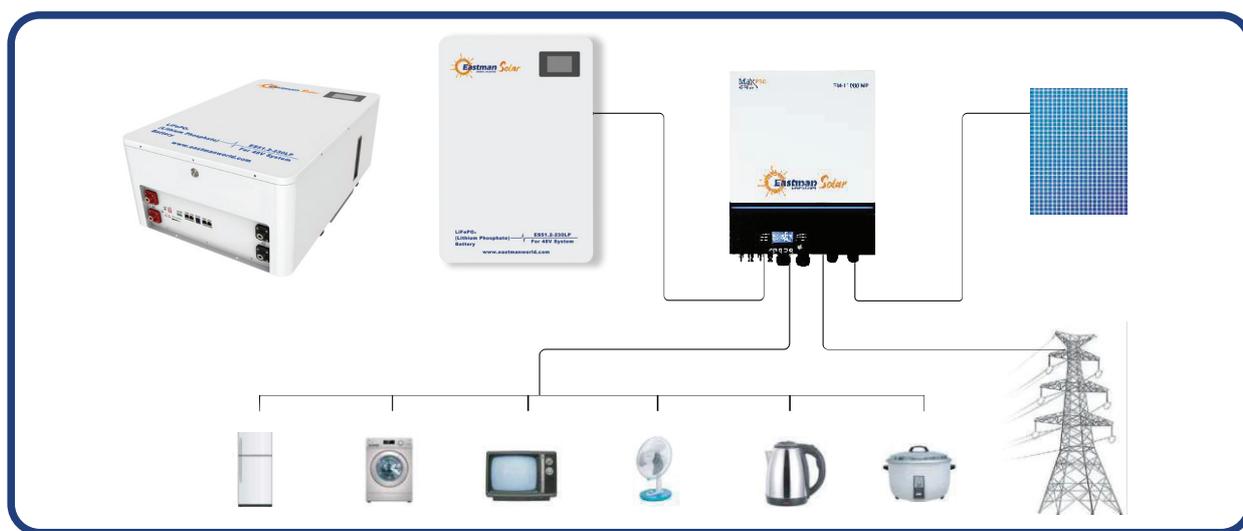
Description	Parameters	
Model	ES25.6-100LP	ES25.6-230LP
Array Mode	8S	8S
Nominal Energy (kWh)	2.5	5.8
Nominal Voltage (V)	25.6	25.6
Charge Voltage (V)	29.2	29.2
Discharge Cut-off Voltage (V)	21	21
Standard Charging Current(A)	20	46
Max. Continuous Charging Current (A)	100	100
Max. Continuous Discharging Current (A)	100	100
Cycle Life	≥6000Times@80%DOD, 25°C	≥6000Times@80%DOD, 25°C
Communication Mode	RS485/CAN	RS485/CAN
Operating Temp	Charging: 0-60°C; Discharging: -10°C-65°C	Charging: 0-60°C; Discharging: -10°C-65°C
Size(LxWxH) mm	440x170x350	440x170x560
Net Weight (kg)	~23	~45
Package Size (LxWxH) mm	512x425x252	512x252x635
Gross Weight (kg)	~25	~47

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

Product Features

- Real-time monitoring of operation status by LCD screen.
- Intelligent Air Cooling & Heat Dissipation.
- RS485/CAN Communication - for connecting more batteries in parallel.
- Installation options: Floor or Wall mount.

Certification



Product Specifications

Description	Parameters	
Model	ES51.2-100LP	ES51.2-230LP
Array Mode	16S	16S
Nominal Energy (kWh)	5.1	11.7
Nominal Voltage (V)	51.2	51.2
Charge Voltage (V)	58.4	58.4
Discharge Cut-off Voltage (V)	42	42
Standard Charging Current(A)	20	46
Max. Continuous Charging Current (A)	100	200
Max. Continuous Discharging Current (A)	100	200
Cycle Life	≥6000Times@80%DOD, 25°C	≥6000Times@80%DOD, 25°C
Communication Mode	RS485/CAN	RS485/CAN
Operating Temp	Charging: 0-60°C; Discharging: -10°C-65°C	Charging: 0-60°C; Discharging: -10°C-65°C
Size(LxWxH) mm	440x170x560	450x245x670
Net Weight (kg)	~41	~93
Package Size (LxWxH) mm	512x252x635	520x425x750
Gross Weight (kg)	~43	~106

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

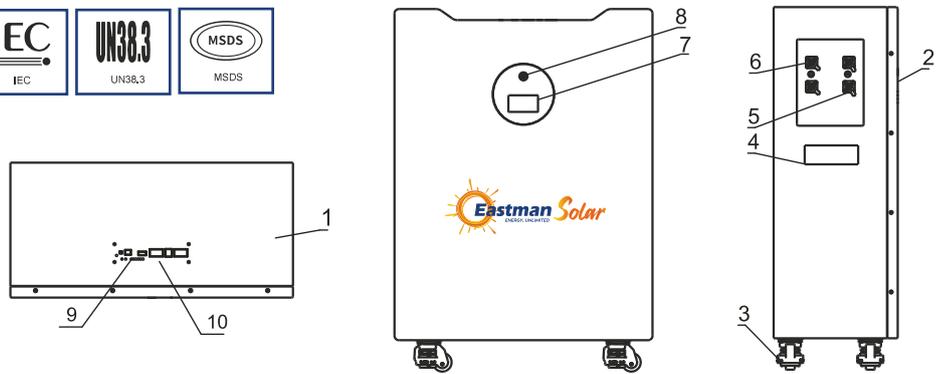
Product Features

- LCD display for monitoring energy storage, power data, and operating status.
- High-quality LiFePO4 battery for safety, 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 wheel designed for easy installation across various locations with ease.
- In-built BMS for over-voltage, over-load, and over-temperature protection.
- Compatible, can be connected to different types of loads within the voltage range.
- Support up to 15 modules in parallel.

Certification

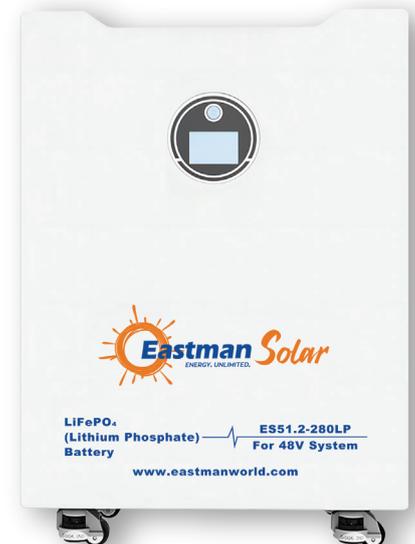


Structural Part Description



Product Specifications

Description	Parameters
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	≥6000Times@80%DOD, 25°C
Communication Mode	RS485/CAN
Operating Temp	Charging: 0-60°C; Discharging: -10°C-65°C
Size(LxWxH) mm	580x750x279
Net Weight (kg)	-113
Package Size (LxWxH) mm	910x700x495
Gross Weight (kg)	-128



ESS RACK TYPE ENERGY STORAGE



Certification

Product Features

- **Standardized Design:** Our 3U and 4U standardized case ensures broad applicability.
- **Enhanced Energy Capacity:** Support multiple parallel battery usage to meet high energy demands.
- **Intelligent Lithium Battery Management System:** Equipped with RS485 communication, offers real-time battery monitoring and customizable protection parameters such as charge & discharge.
- **Balancing:** Automatic collection of battery single series voltage, pressure difference up to 30Mega Volt (can be set) with an automatic start equalization function.
- **Warning Function:** Advanced warning functions, including overcharge, over-discharge, over-current, high-temperature, and low-temperature alerts, reducing potential safety risks.

Product Applications



Product Specifications

Description	Parameters
Model	ES51.2-100BS
Array Mode	16S
Nominal Energy (kWh)	5.1
Nominal Voltage (V)	51.2
Charge Voltage (V)	58.4
Discharge Cut-off Voltage (V)	42
Standard Charging Current(A)	20
Max. Continuous Charging Current (A)	100
Max. Continuous Discharging Current (A)	100
Cycle Life	≥6000Times@80%DOD, 25°C
Communication Mode	RS485/CAN
Operating Temp	Charging: 0-60°C; Discharging: -10°C-65°C
Size(LxWxH) mm	520x495x175
Net Weight (kg)	~44
Package Size (LxWxH) mm	550x520x230
Gross Weight (kg)	~46

ESS RACK TYPE LV ENERGY STORAGE



Certification

Product Features

- **Standardized Design:** Our 3U and 4U standardized case ensures broad applicability.
- **Enhanced Energy Capacity:** Support multiple parallel battery usage to meet high energy demands.
- **Intelligent Lithium Battery Management System:** Equipped with RS485 communication, offers real-time battery monitoring and customizable protection parameters such as charge & discharge.
- **Balancing:** Automatic collection of battery single series voltage, pressure difference up to 30Mega Volt (can be set) with an automatic start equalization function
- **Warning Function:** Advanced warning functions, including overcharge, over-discharge, over-current, high-temperature, and low-temperature alerts, reducing potential safety risks.

Product Applications



Product Specifications

Description	Parameters
Model	ES51.2-400BS
Array Mode	16S x4 (Module)
Nominal Energy (kWh)	20.0
Nominal Voltage (V)	51.2
Charge Voltage (V)	58.4
Discharge Cut-off Voltage (V)	42
Standard Charging Current(A)	20x4
Max. Continuous Charging Current (A)	100x4
Max. Continuous Discharging Current (A)	100x4
Cycle Life	≥6000Times@80%DOD, 25°C
Communication Mode	RS485/CAN
Operating Temp	Charging: 0-60°C; Discharging: -10°C-65°C
Size(LxWxH) mm	600x600x1000 (with cabinet)
Net Weight (kg)	~200
Package Size (LxWxH) mm	620x620x1040 (with battery rack)
Gross Weight (kg)	~210

HIGH VOLTAGE LiFePO4 (Lithium Phosphate) BATTERY

Product Features

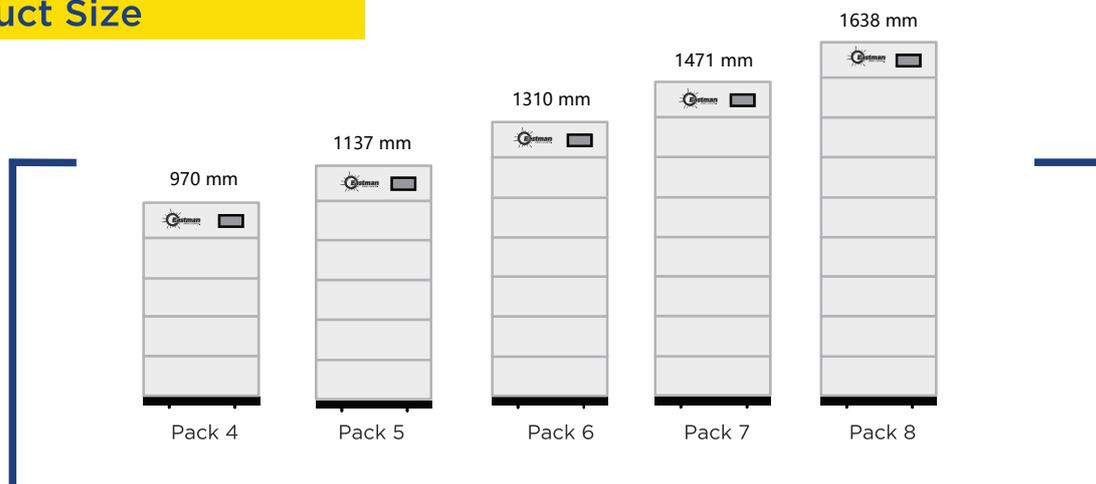
- Capable of High-Power Emergency Backup with Off-Grid Compatibility.
- High Efficiency - Thanks to a Real High-Voltage Series Connection.
- The Patented Modular Plug Design requires no internal wiring and offers unparalleled flexibility and user-friendliness.
- Grand A Lithium Iron Phosphate (LFP) Battery: Unmatched Safety, Durability and Performance.
- Compatible with Leading High Voltage Battery Inverters.
- Highest Safety Standards.



Product Specifications

Description	Parameters		
Model	ES192-100BS	ES240-100BS	ES288-100BS
Array Mode	4	5	6
Nominal Energy (kWh)	19.2	24	28.8
Nominal Voltage (V)	192	240	288
Charge Voltage (V)	54.8x4	54.8x5	54.8x6
Discharge Cut-off Voltage (V)	40x4	40x5	40x6
Standard Charging Current(A)	20	20	20
Max. Continuous Charging Current (A)	100	100	100
Max. Continuous Discharging Current (A)	100	100	100
Cycle Life	≥6000Times@80%DOD, 25°C	≥6000Times@80%DOD, 25°C	≥6000Times@80%DOD, 25°C
Communication Mode	CAN	CAN	CAN
Operating Temp	Charging: 0-60°C; Discharging: -10°C-65°C	Charging: 0-60°C; Discharging: -10°C-65°C	Charging: 0-60°C; Discharging: -10°C-65°C
Size(LxWxH) mm	574x395x970	574x395x1137	574x395x1310
Net Weight (kg)	-166	-205	-244
Package Size (LxWxH) mm	635x512x1045	635x512x1137	635x512x1379
Gross Weight (kg)	-178	-219	-260

Product Size



HIGH VOLTAGE LiFePO4 (Lithium Phosphate) BATTERY

Product Specifications

Description	Parameters	
Model	ES336-100BS	ES384-100BS
Array Mode	7	8
Nominal Energy (Kwh)	33.6	38.4
Nominal Voltage (V)	336	384
Charge Voltage (V)	54.8x7	54.8x8
Discharge Cut-off Voltage (V)	40x7	40x8
Standard Charging Current(A)	20	20
Max. Continuous Charging Current (A)	100	100
Max. Continuous Discharging Current (A)	100	100
Cycle Life	≥6000Times@80%DOD, 25°C	≥6000Times@80%DOD, 25°C
Communication Mode	CAN	CAN
Operating Temp	≥6000Times@80%DOD, 25°C	≥6000Times@80%DOD, 25°C
Size(LxWxH) mm	574x395x1471	574x395x1638
Net Weight (kg)	~283	~322
Package Size (LxWxH) mm	635x512x1546	635x512x1713
Gross Weight (kg)	-301	-342

Certification



LiFePO4 (Lithium Phosphate) BATTERY



RACK TYPE ENERGY STORAGE



RACK TYPE LV ENERGY STORAGE



HIGH VOLTAGE LiFePO4 (Lithium Phosphate)





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