



The **WISE** Choice

EASTMAN WORLD

Welcome to Eastman World - Your Global Partner in Energy Solutions!



LIFEPO₄ ENERGY STORAGE BATTERY

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

Eastman Introduction

Founded in 2006

Established in 2006, Eastman Auto & Power Limited is a well-known name in the field of solar energy, energy storage, and power electronics, boasting a USD 300 million revenue and a dedicated workforce of over 3,000 professionals. Building on the group's decades-long success and maintaining the trust of our partners, Mr. Jagdish Rai Singal ventured into the future of energy with Eastman Auto & Power Limited. Today, the business spans over 25 countries across Asia, Africa, Middle East, and Europe and provides the world with cutting-edge products that have set new benchmarks in their respective segments. Driven by innovation, we continually set industry standards, ensuring uninterrupted power supply for residential, commercial, and industrial applications.

Our global solar distribution business provides reliable and high-quality solar solutions, including solar inverters, solar panels, solar batteries (carbon, gel, lithium, and tubular), solar pump inverters, solar charge controllers, and more. Our products offer a range of solutions to help you make the switch to clean energy. With us as your unwavering partners, we forge a sustainable future, amplifying global excellence through transformative products and services.





LiFePO₄
(Lithium Phosphate) Battery

ES25.6-230LP
For 24V System

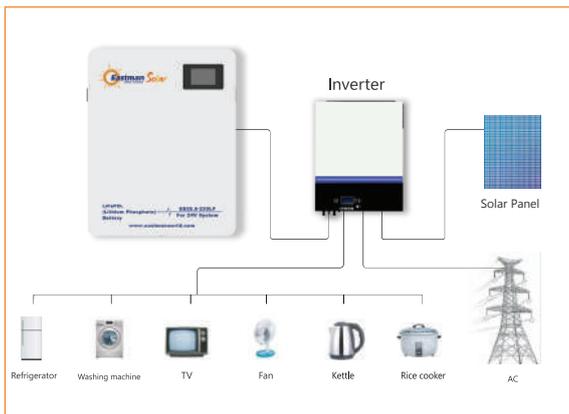
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RESIDENTIAL ES25.6V LiFePO₄ (Lithium Phosphate) ENERGY STORAGE BATTERY

Introduction

Our Lithium Phosphate Energy Storage Battery is a game changer in the realm of energy solutions, offering versatility and high-performance features tailored to meet various power needs. One of its standout attributes is the flexibility it provides in installation, allowing you to mount it either on the floor or the wall, catering to diverse spatial requirements and preferences.

Connection Diagram



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.

Certifications



Product Specifications

Model	ES25.6-100LP	ES25.6-230LP
Array Mode		8S
Nominal Energy (kWh)	2.5	5.8
Nominal Voltage (V)		25.6
Charge Voltage (V)		29.2
Discharge Cut-off Voltage (V)		21
Standard Charging Current(A)	20	46
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	440x170x350	440x170x560
Net Weight (kg)	~23	~45
Package Size (LxWxH) mm	512x425x252	512x252x635
Gross Weight (kg)	~25	~47
Warranty	5 Years	5 Years



LiFePO₄
(Lithium Phosphate) Battery

ES51.2-230LP
For 48V System

www.eastmanworld.com

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

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.

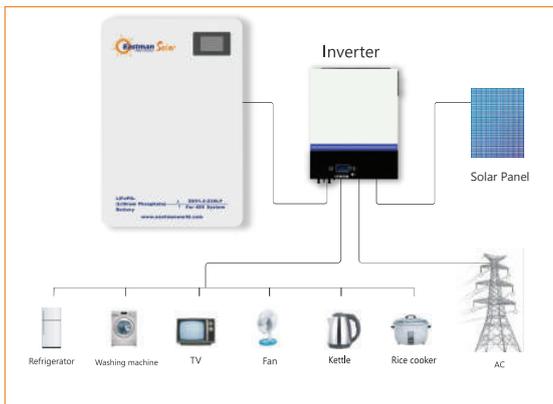
Product Features

- 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.

Certifications

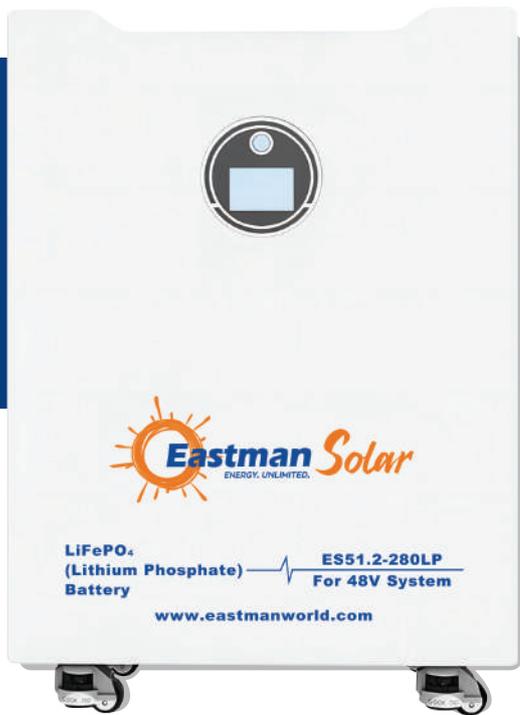


Connection Diagram



Product Specifications

Model	ES51.2-100LP	ES51.2-230LP
Array Mode		16S
Nominal Energy (kWh)	5.1	11.7
Nominal Voltage (V)		51.2
Charge Voltage (V)		58.4
Discharge Cut-off Voltage (V)		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	
Communication Mode	RS485/CAN	
Operating Temp	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
Warranty	5 Years	



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

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.

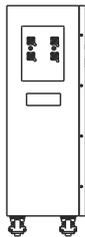
Product Features

- LCD Display For Monitoring Energy Storage, Power Data And Operating Status.
- High-Quality LiFePO₄ Battery For 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.
- Installation Option: Floor.

Certifications



Structural Part Description



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	≥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
Warranty	5 Years



ESS RACK TYPE & ESS RACK TYPE LOW VOLTAGE ENERGY STORAGE

Introduction

Optimize your energy solutions with our ESS Rack-Type Storage. Featuring advanced warning functions for secure and dependable operation in all conditions

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 30 Mega 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.

Certifications



Applications

- Telecom
- UPS
- Emergency Light
- Solar System
- Wind power

Product Specifications

Model	ES51.2-100BS	ES51.2-400BS
Array Mode	16S	16S x4 (Module)
Nominal Energy (kWh)	5.1	20.0
Nominal Voltage (V)		51.2
Charge Voltage (V)		58.4
Discharge Cut-off Voltage (V)		42
Standard Charging Current(A)	20	20x4
Max. Continuous Charging Current (A)	100	100x4
Max. Continuous Discharging Current (A)	100	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	520x495x175	600x600x1000 (with cabinet)
Net Weight (kg)	~44	~200
Package Size (LxWxH) mm	550x520x230	620x620x1040 (with battery rack)
Gross Weight (kg)	~46	~210
Warranty	5 Years	



HIGH VOLTAGE LiFePO4 (Lithium Phosphate) BATTERY

Introduction

Experience high-power emergency backup and off-grid compatibility with our High Voltage Lithium Phosphate Battery. A reliable choice for essential energy storage in critical scenarios.

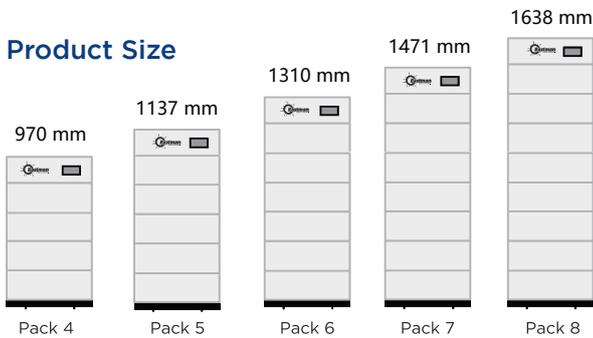
Product Features

- 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.
- Grand A Lithium Iron Phosphate (LFP) Battery: Unmatched Safety, Durability And Performance.
- Compatible With Leading High Voltage Battery Inverters.
- Highest Safety Standards.

Certifications



Product Size



Product Specifications

Model	ES192-100BS	ES240-100BS	ES288-100BS	ES336-100BS	ES384-100BS
Array Mode	4	5	6	7	8
Nominal Energy (kWh)	19.2	24	28.8	33.6	38.4
Nominal Voltage (V)	192	240	288	336	384
Charge Voltage (V)	54.8x4	54.8x5	54.8x6	54.8x7	54.8x8
Discharge Cut-off Voltage (V)	40x4	40x5	40x6	40x7	40x8
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	CAN				
Operating Temp	Charging: 0~60°C; Discharging: -10°C~65°C				
Size(LxWxH) mm	574x395x970	574x395x1137	574x395x1310	574x395x1471	574x395x1638
Net Weight (kg)	~166	~205	~244	~283	~322
Package Size (LxWxH) mm	635x512x1045	635x512x1137	635x512x1379	635x512x1546	635x512x1713
Gross Weight (kg)	~178	~219	~260	~301	~342
Warranty	5 Years				



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