



The **WISE** Choice

# Lithium-ion Battery

Lead Acid Replacement Battery  
(For Europe)





# Eastman Introduction

Eastman Auto & Power Limited is an Indian manufacturer of solar energy solutions, energy storage systems, and power electronics. Backed by a legacy of innovation and trust built over decades, the company was founded under the visionary leadership of Mr. Jagdish Rai Singal to shape the future of sustainable energy. With a strong global presence, Eastman products are distributed across more than 50 countries spanning Asia, the Middle East, Europe, Africa, the Caribbean, and the Americas.

The company offers a comprehensive portfolio including Lithium Batteries, Inverters, Lead Acid Batteries, and a range of advanced power electronics. Eastman serves diverse energy needs across residential, commercial, and industrial sectors-delivering reliable, efficient, and smart power solutions for a rapidly evolving world.



# Why Choose Eastman...

## **Driven by Our Customers**

At Eastman, our customers are at the heart of everything we do. From product development to service offerings, we are dedicated to meeting their evolving needs in the lithium battery markets. Our goal is to provide solutions that enhance performance and reliability for every user.

## **Top-Notch Quality**

We pride ourselves on the top-notch quality of our Eastman lithium batteries with unmatched durability and efficiency. By sourcing only the finest components from trusted suppliers, we ensure every product performs at the highest standards.

## **Rigorous Quality Control**

Our 11-step quality assurance process is one of the most comprehensive in the industry. From material testing to charge/discharge cycles and product inspection, we leave no room for defects. This commitment to excellence results in one of the lowest claim ratios in the industry, assuring our customers of long-lasting, reliable products.

## **Constant Evolution**

At Eastman, we're not just growing; we're evolving. We continuously enhance our products' features and technology to stay ahead of market demands. Our focus on innovation is matched by a deep commitment to environmental sustainability, ensuring our products not only perform but also protect the planet.

## **Environmental Responsibility**







As a forward-thinking company, we take our environmental duties seriously. We strive to minimize our ecological footprint while providing cutting-edge, eco-friendly solutions in the battery and inverter sector.





# Lithium-ion Battery

## Lead Acid Replacement Battery

Certificate Applied for			Compliant		
 CE	 IEC	 UN38.3	 MSDS	 RoHS	 REACH

The lead-acid PB replacement battery preserves the form factor of traditional lead-acid batteries while incorporating high-safety LiFePo4 (Lithium Phosphate) cells. This ensures superior energy density, a broad operating temperature range, and a variety of capacity options, available in both 12V and 24V configurations. This makes replacing lead-acid batteries remarkably convenient, offering substantial cold-start capabilities, capable of initiating even with as little as 20% remaining capacity.

### Product Features

- Fast charge and discharge: 10 times faster than lead-acid batteries.
- Long cycle life.
- Wide temperature range: -10°C to 65°C.
- Lightweight: one-third the weight of a lead-acid battery with the same capacity.
- Low self-discharge rate: 2% per month.
- Metal body.

### Application

- Surveillance cameras or security systems.
- Server racks or data centre equipment.
- Solar panel installation.
- Yacht or marine vessel.



Technical Specification						
Model	EM12.8-100LPS	EM12.8-150LPS	EM12.8-230LPS	EM12.8-280LPS	EM12.8-314LPS	EM25.6-100LPS
Nominal Voltage (V)	12.8					
Rated Capacity (Ah)	100	150	230	280	314	100
Charge Voltage (V)	14.6					
Standard Charging Current (A)	20	30	46	56	62	20
Standard Discharging Current (A)	50	75	115	140	140	50
Max.Charging Current (A)	100	100	150	150	150	100
Max.Discharging Current (A)	100	100	150	150	150	100
Discharge Cut off Voltage (V)	10					
Nominal Energy (kWh)	1.28	1.92	2.94	3.58	4.01	2.56
Operating Temp.Charge	0°C-60°C					
Operating Temp.Discharge	-10°C-65°C					
Working Humidity	<90%RH					
Working Altitude	≤4000m					
IP Rating	IP 65					
Weight (Kg)	14	20	27	32	32	26
Mobile Application Connectivity Feature	Available					
Battery SOC Indicator	Available					
Dimension (mm)-L*W*H	320x186x226	330*275*165	387*205*270	410x200x284	410x200x284	364*209*172

\* Product Specification are subject to change without prior notice



# Key Benefits



## Faster Charging

Charge up to 4x faster than traditional lead-acid batteries. Less downtime, more adventure - and efficient solar charging compatibility.

## Drop-in Replacement

Easily swap out your old lead-acid batteries. Our lithium batteries fit for a hassle-free upgrade.



## Maintenance-Free

No water top-ups, no corrosion. Just plug, play, and go - total peace of mind, zero fuss.

## Low Self-Discharge

Stores power longer, even during extended off-season storage. Always ready when you are.



## Flexible Installation

Install upright or on the side - ideal for tight spaces and custom configurations.





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