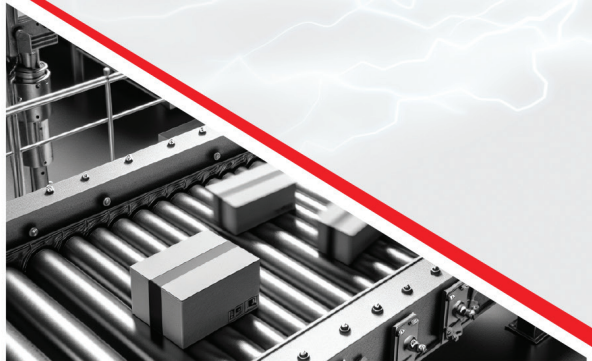


# TURN TO THE FUTURE OF ENERGY STORAGE

WITH

# EXIDE BESS

BATTERY ENERGY STORAGE SOLUTION



## Exide - Over Seven Decades of Powering Progress

At Exide, our proud legacy spanning over seven decades reflects a journey of powering the nation. With a focus on cutting-edge technology in batteries, and continuous investment in research and development, we bring our customers solutions that deliver a competitive edge. We are now proud to bring to you our latest solution - EXIDE BESS, a Battery Energy Storage Solution. Built on decades of expertise in lead-acid technology, it's a testament to our commitment to innovation and excellence.

## BESS - Paving the Way for Sustainability

Battery Energy Storage Solutions (BESS) are becoming increasingly vital in the transition to sustainable energy systems, meeting sustainability goals and competing in the global business scenario responsibly. These systems can store energy generated from renewable sources like solar and wind, making it available when needed, thus addressing the intermittent nature of these energy sources.

Exide BESS not only promises to contribute significantly to savings but also helps in strengthening your company's goodwill by adhering to vital ESG goals.





## Advantages of EXIDE BESS – Best of Two Worlds

- Optimised cost using lead-acid battery technology
- Ease of handling for simple and efficient operations
- Abundant raw material, with 95% recyclability for sustainability
- Reliable performance in both low and high temperatures
- Completely Make-in-India, supporting local manufacturing
- Reduced thermal runaway effects for enhanced safety
- Extended Producer Responsibility\* met by OEM
- 'Not so sophisticated' management system, avoiding overcomplexity
- Tailored for C&I customers, ensuring focused solutions

Exide is deeply committed to sustainability and environmental responsibility. With comprehensive recycling programmes and the use of eco-friendly materials, Exide helps you align with your sustainability goals while significantly reducing your environmental footprint.

## Who Can Benefit from BESS?

- **Greener Industries:** Transition to sustainable operations by offsetting diesel/LNG genset costs within three years (Based on LCC analysis: 650 KVA DG running 4 hrs/day vs. 520 kW BESS over 12 years).
- **Peak Saving:** Reduce electricity bills by utilising BESS for up to 4 hours during peak demand periods.
- **24/7 Power Backup:** Enjoy uninterrupted power supply without waiting for diesel generator (DG) start-up.
- **Device Protection:** Safeguard electronic devices, critical data, and appliances like fridge compressors from power interruptions.
- **Renewable Energy Storage:** Store renewable energy (RE) power and leverage time-of-day (TOD) or peak rates to lower your carbon footprint.

# Technical Datasheet

Size	10 ft				15 ft				30 ft		40 ft-1x		40 ft-2x		40 ft-3x				
Energy Rating (kWh)1)	40	60	80	100	120	150	180	200	320	240	240	300	360	480	750	1000	1500		
Rating [kW]	20	20	40	50	60	40	50	60	100	160	80	120	100	120	160	250	500	500	
Duration [h]1)	2	3	2	2	2	3	3	3	2	2	3	2	3	3	3	3	2	3	
Output Voltage [V AC]	400-415 V, 3ph, 50 Hz (+10%,-15%)																		
Isolation Transformer	in-built														separate				
Operating Temperature Range	10-35 deg C																		
Temperature Cooling	provided as per design																		
Ventilation	natural"																		
<b>Battery Particulars</b>																			
Battery	Exide																		
Chemistry	Lead Acid																		
Battery Cell	VRLA																		
IS/IEC Standard	IS 15549:2005/IS16270:2014/IEC 60896-21 & 22																		
Depth of Discharge*	50%																		
No of Cycles*	2500																		
Voltage	2V																		
Output Voltage [ V DC ]	240 V				360 V				360				480		720				
C10 Capacity, 1.80 V ECV & 27°C	600	600	1000	1000	600	1000	1000	1000	600	600	600	600	600	600	1000	1000	1000	1000	1000

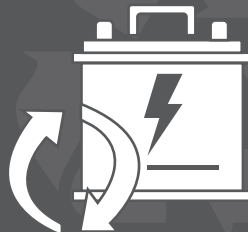
1) Higher sizes on request

#Fire suppression system offered as optional

\*BESS can be sized for different design requirement.

## Safe Disposal of Batteries – Exide’s Unique Commitment

Lead-acid batteries contain environmentally hazardous materials like lead, acid and chemicals, requiring careful disposal after their use. However, the hazardous contents are recyclable. Return used batteries to our dealers or authorized smelters, as per Ministry of Environment, Govt. of India. For details, contact the nearest Exide branch.



## Statutory Notice:

As per statutory requirements, used batteries must be returned to authorised dealers, manufacturers or designated collection centres because they contain lead, that is harmful for human beings and the environment.

# EXIDE

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