

BESS

FLUX 5 MWh

UTILITY SCALE
ENERGY STORAGE SYSTEM



Overview

The Flux 5 MWh ESS is a high-capacity, utility-grade LFP storage solution designed for large-scale grid applications. It delivers 5015 kWh with a 1331V system, operating reliably from -20°C to 55°C , 5–95% humidity, and up to 4000 m altitude.

Built with IP55 protection, liquid cooling, and optional aerosol/ water fire suppression, it ensures strong safety and stability. Supports seamless integration through Ethernet/RS485 communication in a robust containerized design for easy deployment in utility and renewable energy projects.

Standard conformity

Fully compliant with all critical safety, environmental, and communication protocol requirements.

Confidence Built In

Comprehensive maintenance and care services engineered to maximize reliability, safety, and system uptime.

Key applications

- DISCOM Peak Load Shaving
- Solar Power Output Firming
- Industrial Power Outage Backup
- Grid Frequency and Stability Support



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DETAILS

Cell Type	LFP
Cell Specifications	3.2V/314Ah
Grouping Method	12P416S
Nominal Capacity	5015 kWh
Nominal Voltage	1331.2V
Voltage Range	1164.8 ~ 1497.6VDC
Standard charge/ Discharge Rate	≤0.5P
Operating Environment Temperature	-20°C ~ 55°C
Operating Relative Humidity	0 - 95%
Protection Level	Ip55
Altitude	≤4000
Cooling Method	Liquid Cooling
Dimensions W*L*H	6058*2438*2896mm
Weight	~42t
Firefighting Method	Aerosol/Weter Firefighting (Optional)
System Communication Interfacev	Ethernet/RS485

