



Li-ion

Energy Storage System (ESS)

Salient Features:

- **HIGHER EFFICIENCY / LOWER MAINTENANCE COST**

Li-ion batteries outlast lead acid batteries in terms of life cycle, maintenance requirements, and energy capacity.

- **LONGER BATTERY LIFE**

The battery management system is customized for the longest battery life based on individual mission requirements.

- **REMOTE MONITORING**

The telematics gateway monitors the charge level and battery health and provides valuable data for improvement.



JBMG's high-performance and reliable storage solution has emerged as one of the long-term storage technologies for power and energy application offering a wide range of applications, such as frequency modulations, spinning reverse ramp control, and power curve smoothing.

Our batteries are the most cost-effective energy storage option available in the market for storing energy generated from renewable sources like sun, wind etc.

Demonstrating its technical proficiency, JBMG has installed India's first integrated EV charging ESS station, which is located 3500 meters above sea level at Leh, Ladakh.

Technical Specification:

PARAMETER	VALUE
Cell Technology	Li-Ion
Cooling System	Natural Cooling
Nominal Energy KWh	15 KWh
Nominal Voltage	51.2 V
Continuous Charge 100A	0.33 C
Continuous Dis-Charge 100A	0.33 C
Recommended Depth of Dis-Charge	5%~90%
Ingress Protection	IP-21
Life Cycle (Cycle)	>5000 Cycles
Module Dimension (D x W x H) mm	1000 x 750 x 133.3
Weight (Kg)	165 Kg
Storage Temperature	-20 °C~40 °C SOC>30%, One Full Charge Needed Per Two Months
Operating Temperature	Dis-Charge-20 °C~60 °C Charge-0 °C~55 °C
Communication Function	RS232 Communication Mode RS485 Communication Mode
Parallel Function	Up to 15 Power Boxes Allowed to be Used In
GPS/GPRS	Optional

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