



MESOL ENERGY STORAGE

16 kWh Lithium Battery

51.2V / 314Ah

Clean. Reliable. Powerful.







Designed for modern energy systems in Pakistan

16 kWh | 6000+ Cycles | LiFePO₄ | 10 kW Output




Technical Specifications

Nominal Voltage	51.2V
Nominal Capacity	314Ah
Energy	16 kWh
Voltage Range	44.8V – 57.6V
Charge Voltage	57.6V
Max Charge Current	200A
Recommended Charge Current	≤150A
Max Discharge Current	200A
Peak Discharge	200A (1min)
Communication	RS485 / CAN
Cycle Life	>6000 cycles
Weight	~112 kg
Dimensions	740 × 395 × 250 mm
Cell Type	LiFePO ₄
Installation	Indoor, Floor Standing

Key Features

-  **Safe & Reliable**
High-quality LiFePO₄ cells with advanced protection system
-  **Long Life**
6000+ cycles ensuring long-term performance
-  **Scalable Design**
Supports up to 16 units in parallel
-  **High Performance**
Up to 10 kW output capability
-  **Smart BMS**
Advanced balancing and protection system
-  **Wide Compatibility**
Works with leading hybrid and off-grid inverters

Applications

-  Residential Backup
-  Small Commercial
-  Solar – Storage Systems

Built for reliability in demanding environments.

Mesol energy storage systems are designed with a focus on safety, durability, and long-term performance.

Every unit undergoes strict quality control to ensure dependable operation in real-world conditions.