BSLBATT®
Best Solution Lithium Battery

M-Power Station

Powering the Future – Clean. Mobile. Intelligent.

The M-Power S30/69 is a flexible and eco-friendly power solution designed to replace traditional diesel generators.

Equipped with a 30 kW hybrid inverter and 69 kWh $LiFePO_4$ battery pack, it supports charging from solar PV, the grid, or both, delivering reliable power wherever it's needed—without noise or emissions.

Whether used for emergency backup, field operations, or mobile EV charging, this system enables users to enjoy a clean, silent, and intelligent energy supply anytime, anywhere.

Max. Parallel Connection Of 3

Maximum 1C Discharge

30% Space-intensive Design

IP55 for Outdoor Installation

Model	M-Power S30/69
Battery Parameters	
Cell Chemistry	Lithium Iron Phosphate (LiFePO4)
Cell Capacity	3.2V/150Ah
Configuration	1P24S*6S (1P144S)
Rated Power	69.12kWh
Rated Charge/Discharge Power	0.5P (25±2℃)
Max. Charge/Discharge Current	100A (25±2℃)
Rated Voltage	460.8V
Operating Voltage Range	403.2V~504.0V
PVParameters（Optional）	
Max. Power	19.2kW+19.2kW
Max. PV Voltage	850V
PV Start-Up Voltage	250V
MPPT Voltage Range	200V ~ 830V
Max. PV Current	32A + 32A
MPPT Route	2
PCS Parameters	
Rated AC Power	30kW
Max. DC Current	100A
DC Voltage Range	320V ~ 850V
Rated AC Voltage	AC400V / 230V
Rated AC Current	43.5A
Rated AC Frequency	50 / 60Hz (±2Hz)
Power Factor Adjustable Range	-0.8 Ahead~+0.8 Behind
Overload Capacity	110%, Normal Operation; 120%, 1 Min.
External Interface	
125A Three-Phase Quick Connector	3
16A Single-Phase Outlet	2
125A DC Charging Port	1
DCoutput(optional)	
20kW DC Charger	1
General Parameters	
Operating Humidity	10% ~ 90% RH (No Condensation)
Operating Temperature	-20℃ to 55℃ (Derating at >45℃)
Storage Temperature	0℃~35℃
Altitude	3000m (>2000m Derating)
Cooling Method	Intelligent Air Cooling
Communication Protocol	RS485 / CAN / RJ45 / DRY / WiFi / 4G
Isolation Method	Non-isolated
Protection Level	IP55
Dimension (W*D*H)	1060*1400*1030 (±5mm)
Weight	1012Kg±3%

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