

Wall Mounted Lithium Iron Battery

SMA Series: W-25.6V100AH; W-25.6V200AH;
W-51.2V100AH; W-51.2V200AH



W-SMA is designed and manufactured with easy maintenance technology. It is designed for residential energy storage, stylish and simple appearance, good compatibility, easy installation and easy expansion. Intelligent battery management system, all-round monitoring battery pack system status, multiple protection.

- Long life and easy maintenance: multiple safety protection design; long life and intelligent BMS, world-class brand battery cell, to ensure long life; Modular components for easy maintenance;
- High compatibility: compatible with most brands of inverters on the market
- Strong scalability: the product can be extended in parallel to adapt to future energy demand changes;
- International certification: through the CE, UN international certification, quality assurance;
- Environmental protection: environmental protection and efficiency, ultra-low comprehensive electricity cost, stable power supply
- Modern design: home appliance design style, easy installation, suitable for various home style
- 5 years warranty; >10 years design life



MSDS

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Technical Data

Model	W-25.6V100AH	W-25.6V200AH	W-51.2V100AH	W-51.2V200AH
Cell Type	LiFePO4			
Nominal Capacity	100AH	200AH	100AH	200AH
Energy	2.56KWH	5.12KWH	5.12KWH	10.24KWH
Nominal Voltage	25.6V		51.2V	
End-of-charge Voltage	29.2V		58.0V	
End-of-discharge Voltage	20.2V		42.0V	
Max. Charge Current	100A	100A	100A	100A
Max. Continuous Discharge Current	100A	100A	100A	100A
Max. Instantaneous Discharge Current	100A	100A	100A	100A
Overcurrent Protection	120A	120A	120A	220A
Ingress Protection	IP50			
Warranty	SMA Series: 10 years / ECO Series: 5 years			
Cycle life	SMA series : ≥6000 Times @ 80%DOD & 0.5C, 25°C / ECO series: ≥3000 Times @ 80%DOD & 0.5C, 25°C			
SOC estimation	Yes			
Intelligent balance	Yes			
Master-slave operation	Yes			
sleep and wake-up	Yes			
Protection Function	Over-charge, Over-discharge, Over-current, Short-circuit, Over-voltage, Under-voltage, Over-high/low temperature			
Communication Interface	RS485 / CAN / RS232 / BT (Optional)			
Communication protocol	Compatible with 12 popular inverter brands in the market			
Operating Temperature	Charging: 0°C~55°C ; Discharging: -20°C~55°C			
Storage Temperature	-30°C~60°C			
Storage Humidity	≤90% RH			
Standard Environmental Condition	Temperature: 25°C±2°C ; Humidity: 45%~75%RH ; Atmospheric Pressure: 86KPA~106KPA			
Size	392*365*155mm	567*393*154mm	567*393*154mm	870*465*145mm
Net Weight	Approx.25kg	Approx.40kg	Approx.40kg	Approx.82kg
Gross Weight	Approx.28.5kg	Approx.43.5kg	Approx.43.5kg	Approx.99kg
Certification	CE:IEC 61000-6-3:2021;IEC 61000-6-1:2019; IEC 61000-3-2:2009+A1:2021; EN61000-3-3:2013+A2:2021+AC:2022 UN38.3, MSDS			