

HS100B

Residential Energy Solution

huafon ESS

Smart Green Home Made Easy



Innovative In-House BMS

Safety elevated through
proprietary BMS.



Self-With Display

Observe product dynamics
in real time.



Intelligent Operation & Maintenance

Battery health info at a glance,
AI is just at your fingertips.

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HS100B



Model	BM512B	HS1005B	HS10010B	HS10015B
Basic Specification				
Battery Type	LFP			
Nominal Voltage	51.2V			
Operating Voltage Range	44.8V~57.6V			
Nominal Energy	5.12kWh	5.12kWh	10.24kWh	15.36kWh
Rated Charging/Discharging Current	50A	50A	100A	150A
Max. Continuous Charge/Discharge Current	100A	100A	180A	180A
Max. Charging/Discharging Power	5kW	5kW	8kW	8kW
Depth of Discharge (DoD)	90%			
Cycle Life	6000 Times ¹			
Communication				
Communication Rod (WIFI)	Optional			
Communication	CAN, RS485			
General Specification				
Dimension (W*D*H)	433*460*190mm	620*235*600mm	620*235*1090mm	620*235*1580mm
Net Weight	47kg	80.3kg	142.2kg	203.6kg
IP Protection	IP20	IP65	IP65	IP65
Installation	/	Floor Stand (Standard) Wall Mounted (Optional)	Floor Stand (Standard) Wall Mounted (Optional)	Floor Stand (Standard)
Operating Temperature	Charging: 0°C~50°C / 32°F~122°F; Discharging: -10°C~50°C / 14°F~122°F			
Storage Temperature	-20°C~55°C / -4°F~131°F			
Cooling	Natural Heat Dissipation			
Relative Humidity	0%~95% RH			
Max. Operating Altitude	3000m			
Compatible Inverters	Huafon, Deye, Growatt...			
AI Platform	Moose Cloud (Web), Huafon ESS App (Mobile)			
Standard & Certification				
Transport Testing Requirement	UN38.3			
Safety	IEC62619, IEC60730-1 Annex1-1			
EMC	EN61000-6-1/-3			

*1 @25°C/77°F, 0.5C charging and discharging, 90%DoD.