

HS100

Low Voltage Residential Energy Storage



Model	HS10015	HS10010	HS1005
Battery			
Battery Type	LFP		
Nominal Capacity	15.36kWh	10.24kWh	5.12kWh
Nominal Voltage	51.2V		
Operating Voltage Range	44.8V~57.6V		
Rated. Charging / Discharging Current	100A	100A	50A
Max. Charging / Discharging Current	120A	120A	100A
Depth of Discharge (DoD)	90%		
Cycle Life	6000 Times		
General Specification			
Dimension (W*D*H)	600*250.5*1580mm	600*250.5*1095mm	600*250.5*615mm
Weight	195±3kg	132±3kg	69±3kg
IP Protection	IP65		
Installation	Floor Stand (Standard)	Floor Stand (Standard), Wall Mounted (Optional)	
Operating Temperature	Charging: 0°F~122°F; Discharging: -14°F~122°F ¹		
Storage Temperature	-4°F~131°F		
Cooling	Natural Convection		
Relative Humidity	0%~95% RH		
Max. Operating Altitude	3000m		
Module Connection	3 in Parallel	2 in Parallel	/
Communication	CAN, RS485		
Compatible Inverters	Huafon ESS, Growatt, Deye, Solis... ²		
AI Platform	Moose Cloud (Web), Huafon ESS App (Mobile)		
Standard & Certification			
Transport Testing Requirement	UN38.3		
Safety	IEC62619, IEC60730		
EMC	CE-EMC EN 61000-6-1 / -3		

*1 Battery performance decreases when the temperature is below 0°F or above 104°F.

*2 Product adapts to multiple brands of inverters, feel free to contact sales if any.

BM512

Low Voltage Battery Module



Model	BM512
Battery	
Battery Type	LFP
Nominal Capacity	5.12kWh
Nominal Voltage	51.2V
Operating Voltage Range	44.8V~57.6V
Rated. Charging / Discharging Current	50A
Max. Charging / Discharging Current	100A
Depth of Discharge (DoD)	90%
Cycle Life	6000 Times
General Specification	
Dimension (W*D*H)	468*429*190mm
Weight	49±1kg
IP Protection	IP20
Operating Temperature	Charging: 0°F~122°F; Discharging: -14°F~122°F ¹
Storage Temperature	-4°F~131°F
Cooling	Natural Heat Dissipation
Relative Humidity	0%~95% RH
Max. Operating Altitude	3000m
Communication	CAN, RS485
Compatible Inverters	Huafon ESS, Growatt, Deye, Solis... ²
Standard & Certification	
Transport Testing Requirement	UN38.3
Safety	IEC62619, IEC60730
EMC	CE-EMC EN 61000-6-1 / -3

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*2 Product adapts to multiple brands of inverters, feel free to contact sales if any.