

HS100

Residential Energy Solution

huafon ESS



Smart Green Home Made Easy



Wide Applications

For load shifting, self-consumption, backup power, etc.



Stable Powering

Supports multiple working conditions to enjoy reliable power affordably.



Intelligent Operation & Maintenance

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

Zhejiang Huafon ESS Technology Co., Ltd.

🌐 www.huafon-ess.com

✉ service-ess@huafeng.com

📍 3F, Huafeng International Business Building, 200 Xinye Road, Shangcheng District, Hangzhou, Zhejiang, China

📍 Xincheng Industrial Park, Xincheng Sub-district, Rui'an, Wenzhou, Zhejiang, China

HS100



Model	BM512	HS1005	HS10010	HS10015
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	100A
Max. Charging/Discharging Current	100A	100A	120A	120A
Max. Charging/Discharging Power	3kW	3kW	5kW	5kW
Depth of Discharge (DoD)	90%			
Cycle Life	6000 Times			
General Specification				
Dimension (W*D*H)	468*429*190mm	600*250.5*615mm	600*250.5*1095mm	600*250.5*1580mm
Net Weight	49kg	69kg	132kg	195kg
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 ¹			
Storage Temperature	-20°C~55°C / -4°F~131°F			
Cooling	Natural Heat Dissipation			
Relative Humidity	0%~95% RH			
Max. Operating Altitude	3000m			
Communication	CAN, RS485			
Compatible Inverters	Huafon, Growatt, Deye, Solis... ²			
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 Battery performance decreases when the temperature is below 0°C/32°F or above 40°C/104°F.

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