

Stack-mounted Residential ESS



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SAFETY
LFP Battery, Intelligent BMS and protective hardware providing complete protection
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ACCURACY
Dynamic SOC calibration
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COMPATIBILITY
Suitable for most mainstream inverters
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EASY INSTALLATION
Scalable up to 56 packs
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DURABILITY
6,000 cycles at 95% DOD

Model	AF10000W-HN	AF15000W-HN	AF20000W-HN	AF25000W-HN	AF30000W-HN	AF35000W-HN	AF40000W-HN
Parameter							
Battery Type	LFP						
Number of Connection	2pcs	3pcs	4pcs	5pcs	6pcs	7pcs	8pcs
Total Energy	10.44kWh	15.66kWh	20.88kWh	26.11kWh	31.33kWh	36.55kWh	41.77kWh
Usable Energy	9.92kWh	14.88kWh	19.84kWh	24.81kWh	29.77kWh	34.73kWh	39.69kWh
Max.Parallel Connections	8P						
Voltage	102.4 Vd.c.	153.6 Vd.c.	204.8 Vd.c.	256 Vd.c.	307.2 Vd.c.	358.4 Vd.c.	409.6 Vd.c.
Nominal Charging Voltage	115.2 Vd.c.	172.8 Vd.c.	230.4 Vd.c.	288 Vd.c.	345.6 Vd.c.	403.2 Vd.c.	460.8 Vd.c.
Max. Charging Current	50A						
Nominal Discharging Current	50A						
Discharge Cut-off Voltage	89.6 Vd.c.	134.4 Vd.c.	179.2 Vd.c.	224 Vd.c.	268.8 Vd.c.	313.6 Vd.c.	358.4 Vd.c.
Battery Efficiency	95%						
Battery Protection	Over-current/Over-voltage/Short-circuit/Under-voltage/Over temperature						
Maximum Recommended DOD	95%						
Communication	CAN,RS485						
IP Rating	IP66						
Operating Temperature	-15~50 °C						
Altitude	≤5,000m						
Humidity	15%~85%RH (No condensation)						
Warranty	10 years (5 free warranty + 5 paid warranty)						
Dimension	(720±2)* (420±2)* (616±3)mm	(720±2)* (420±2)* (766±5)mm	(720±2)* (420±2)* (916±7)mm	(720±2)* (420±2)* (1066±9)mm	(720±2)* (420±2)* (1216±11)mm	(720±2)* (420±2)* (1366±13)mm	(720±2)* (420±2)* (1566±13)mm
Net Weight	(116±3)kg	(163±5)kg	(210±7)kg	(257±9)kg	(304±11)kg	(351±13)kg	(398±13)kg
Heating Unit	51.2V/65W*4						
Certificates	CE-EMC,IEC62619,IEC62477,IEC62040,IEC62100,IEC60068-2-52,IEC60730,UN38.3,MSDS						
Installation	Stacked Installation						

Model	AF5000W-HM
Parameter	
Total Energy	5.22 kWh
Usable Energy*	4.96 kWh
Voltage Range	44.8~57.6 Vd.c
Nominal Voltage	51.2 V
Max.Charging Voltage	57.6 V
Max.Continuous Charging Current	50 A
Max.Continuous Discharge Current	50 A
DOD	95%
Dimension ((L*W*H),mm)	(720±2)*(420±2)*(174±3)mm
Net Weight	(47±2)kg
Operating Condition	Indoor or outdoor
Operating Temperature	-15~50 °C
Humidity	15%~85%RH (No condensation)
Configuration	(8S)2S
Heating Unit	51.2V/65W*4