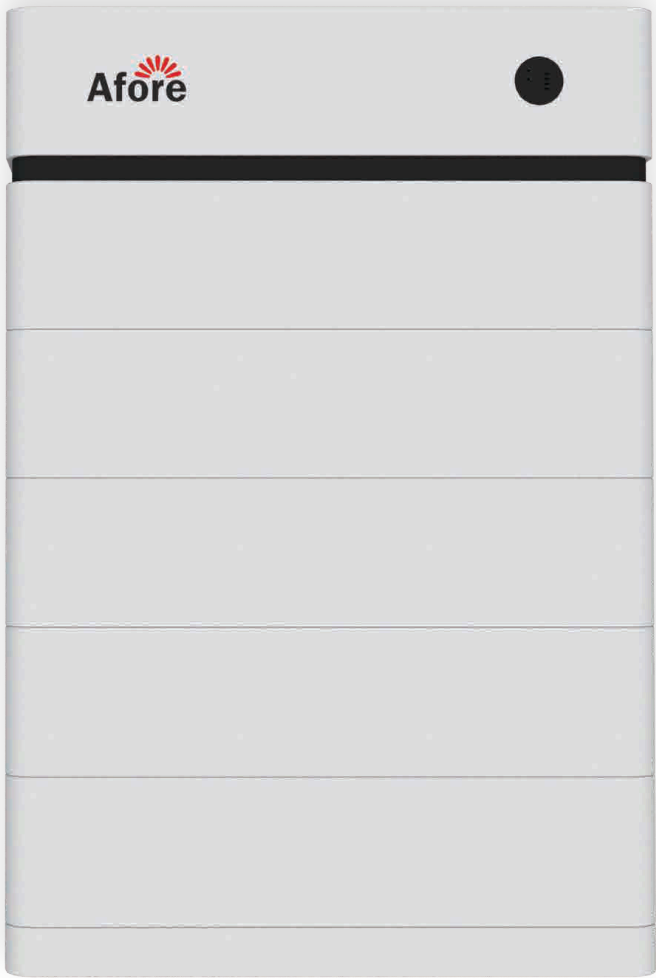


| Stack-mounted Residential ESS



SAFETY

LFP Battery, Intelligent BMS and protective hardware providing complete protection



ACCURACY

Dynamic SOC calibration



COMPATIBILITY

Suitable for most mainstream inverters e.g. Afore hybrid inverters series MTH+ / MTH + / TH / THP



EASY INSTALLATION

Scalable up to 40 packs

Model	AF5300W-HA3	AF10600W-HA3	AF15900W-HA3	AF21300W-HA3	AF26600W-HA3
Parameter					
Number of Pack (pcs)	1	2	3	4	5
Nominal Energy (kWh)	5.32	10.64	15.97	21.29	26.62
Usable Energy (kWh)	5.06	10.11	15.18	20.24	25.30
Maximum current	30A				
Technology	Lithium - iron -phosphate (LiFePO4 / LFP)				
Number of charging cycles and EOL	6000 times (25°C/ 0.5C , EOL70%)				
Nominal power	3.07kW	6.14kW	9.21kW	12.28kW	15.36kW
Maximum charging /discharging power	3.45kW	6.91kW	10.36kW	13.82kW	17.28kW
Voltage Range (Vd.c.)	89.6~115.2	179.2~230.4	268.8~345.6	358.4~460.8	448~576
Nominal Voltage (Vd.c.)	102.4	204.8	307.2	409.6	512
Charging voltage declared by manufacturer (Vd.c.)	115.2	230.4	345.6	460.8	576
Rated Capacity (Ah)	52				
Nominal Charging / Discharging current (A)	30				
Depth of discharge DOD (%)	95				
Efficiency (%)	95				
Communication	CAN/RS485				
Dimension (L*W*H,mm)	(660±2)*(390±2)*(378±3)mm	(660±2)*(390±2)*(528±5)mm	(660±2)*(390±2)*(678±7)mm	(660±2)*(390±2)*(828±9)mm	(660±2)*(390±2)*(978±9)mm
Net Weight (kg)	(63±2)kg	(108±4)kg	(153±6)kg	(198±6)kg	(243±6)kg
Operation Condition	Indoor or outdoor				
Storage temperature range	>3 month, 15°C to 30°C. <3 month, 0°C to 45°C				
Operarating Temperature: Charging	0~52°C				
Operating Temperature: Discharging	-15~52 °C				
Operating Temperature: Charging with battery heating function	-20~52°C				
Operating Temperature: Discharging with battery heating function	-20~52 °C				
Humidity	15%~ 85%RH (No Condensation)				
Cooling type	Natural convection				
IP rating of enclosure	IP66				
Modular construction enabling the expansion of the energy storage	Yes				
Remote software update and online problem diagnosis	Yes - via inverter				
Certifications/Standards	IEC62619, IEC63056, IEC62040-1, UN38.3, EN 62477-1, IEC62040, IEC 61000-6-1/3, VDE-AR-E 2510-50				
Emergency backup power function - support in the Black start system	Yes				
Product warranty	10 years - with the possibility of extension				
Heating function	Optional				
Control and monitoring of the energy storage system state of charge, voltage, and load	Yes				
Cooperation with energy management system (EMS)	Yes				

Model	AF5300W-HA3
Battery Module Type	
Nominal energy	5.32 kWh
Usable Energy	5.06 kWh
Rated Capacity	52 Ah
Voltage Range	89.6~115.2 Vd.c.
Nominal Voltage	102.4 Vd.c.
Upper limit.charging voltage	115.2 Vd.c.
Discharge cut-off voltage	89.6 Vd.c.
Lower limit discharging voltage	83.2 Vd.c.
Max.continous charging / discharge current	30 A
Depth of discharge (DOD)	95%
Dimension(L*W*H)	(660+2)*(390+2)*(150+2)mm
Net Weight	(45+2)kg
Operating conditions	Indoor or outdoor