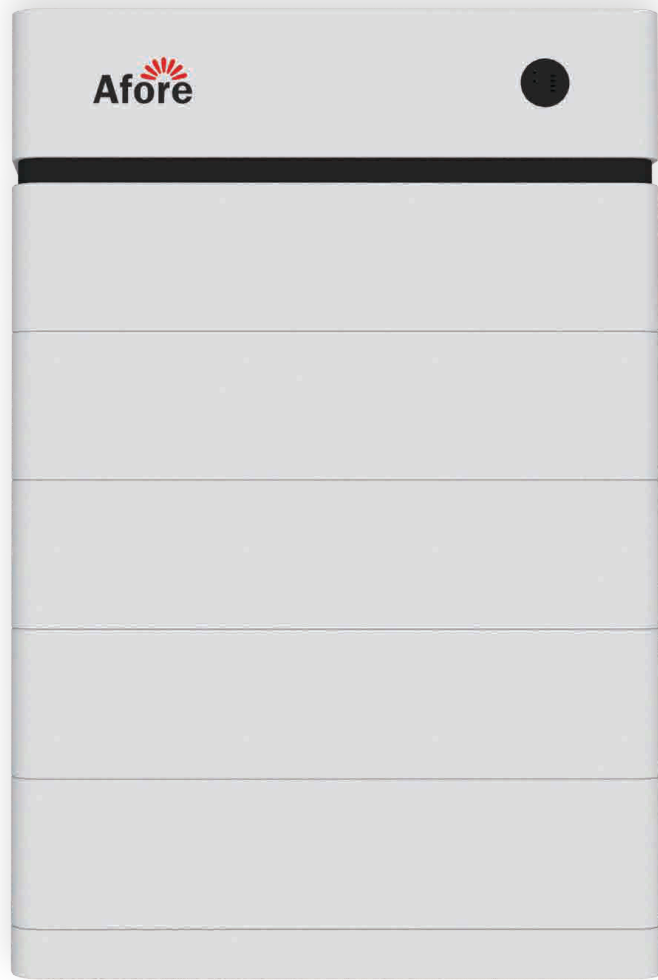


# Stack-mounted Residential ESS



**SAFETY**  
LFP Battery, Intelligent BMS and protective hardware providing complete protection



**ACCURACY**  
Dynamic SOC calibration



**COMPATIBILITY**  
Suitable for most mainstream inverters



**EASY INSTALLATION**  
Scalable up to 40 packs

Model	AF5300W-HA3	AF10600W-HA3	AF15900W-HA3	AF21300W-HA3	AF26600W-HA3
<b>Parameter</b>					
Number of Pack (pcs)	1	2	3	4	5
Total 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				
Operating 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				
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	Yes				
Product warranty	10 years				
Heating function	Optional				
Control and monitoring of the energy storage system state of charge, voltage, and load.	Yes				

Model	AF5300W-HA3
<b>BaGery Module Type</b>	
Total 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.continuous 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 Condition	Indoor or outdoor