

## AF5000H series

The 5000H series high voltage lithium batteries have a home appliance like appearance and are aesthetically pleasing. Adopting a modular battery design (flexible combination of 2-5 modules), it can achieve 10.6-26.6kWh battery capacity expansion, and the intelligent stacked design is conserved for operation, maintenance, and installation using lithium iron photosensitive battery cells, it is safe and more reliable. The battery cells can charge and discharge up to 80% EOL. Within the range of 2.5-3.65V<sub>25+2C</sub> The charging and discharging capacity of 0.7C/1C is high, and their performance is excellent, providing strong power for household power supply.



Stacked design  
for easy installation



Flexible combination of  
capacity and scalability



Module automatic recognition



remote diagnosis



Under voltage automatic restart



Real time data monitoring



## Battery Module

## AF5000H

Number of Modules	2	3	4	5
Energy Capacity	10.6KWh	15.9KWh	21.2KWh	26.6KWh
Max Output Current	50 A	50 A	50 A	50 A
Nominal Voltage	204.8 V	307.2 V	409.6 V	512 V
Operating Voltage	160~233.6V	240~350.4V	320~467.2V	400~584V
Dimensions (H/W/D)	580*600*420	740*600*420	900*600*420	1060*600*420
Weight(KG)	134kg	185.5kg	237kg	288.5kg
Battery Cell Technology	Lithium Iron Phosphate (cobalt-free)			
Standard Charge/Discharge Current	25A/0.5C			
Enclosure Protection Rating	IP54			
Round-trip Efficiency	≥96%			
Operation Temperature	-10 °C to +50°C			
Applications	ON Grid / ON Grid + Backup / OFF Grid			

## BMS Controller

Communication Port	CAN/RS485
BMS Monitoring Parameters	SOC, System voltage, current, cell voltage, cell temperature,
Certification & Licensing	CE/UN38.3/MSDS