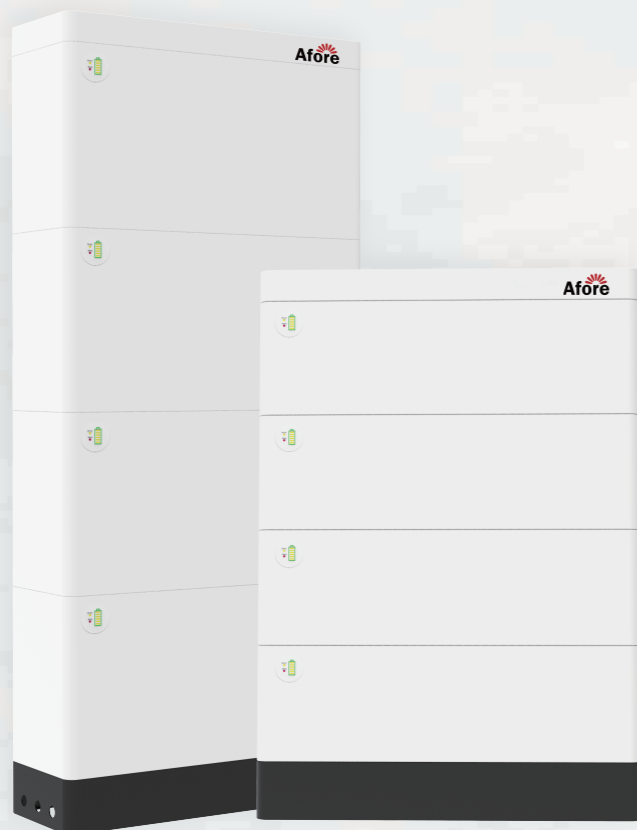


# Low Voltage Stackable Energy Storage Battery



With its modular design, the Multi-functional Energy Storage System offers endless possibilities. Customize the system to meet your specific needs by easily adding or removing energy storage units. Experience the freedom and control of managing your energy consumption with this state-of-the-art system.



High Capacity



Scalable Design



Efficient Performance



Safe and Reliable



Real-time Monitoring



Durability



Intelligent BMS



Seamless Integration

Model	AF2500W-LD	AF5000W-LE
Nominal Voltage(Vdc)	51.2	51.2
Nominal Capacity(Wh)	2560	5120
Working Voltage Range(Vdc)	44.8-56.16	44.8-56.16
Charge Voltage(Vdc)	58.4	58.4
Nominal Charge/Discharge Current(A)	25	50
Max.Charge/Discharge Current(A)	50	100
Peak Current(A)	100@3sec	200@3sec
Series Connection	≤ 10 pcs	≤ 6 pcs
Cycle Life	6000 @ 80% DOD, 25°C / 0.5C	

## Structure

Dimension(in)	23.63*8.27*7.09	23.63*8.27*11.82
Weight(lbs)	63.94	111.34
IP Rating	IP65	
Installation	Stacked	

## Working Environment

Charge Working Temperature(°F)	32-131
Discharge Working Temperature(°F)	-4~140
Altitude(M)	<2500
Humidity(RH)	5-95% (w/o condensing)

## Communication

Communication Port	RS485, CAN
Display	SOC status indicator, LED indicator

## Certification

CB, IEC62619; CE-EMC, CE-GPDS, UKCA; UN38.3, MSDS



# Wall Mounted Energy Storage Battery



A sleek and space-saving solution for your energy storage needs. With its compact design and easy installation, it seamlessly blends into any environment. Whether in your home, office, or commercial space, our wall-mounted unit provides reliable and efficient energy storage, empowering you to optimize energy usage and reduce waste.



Space Saving



Fast Installation



Efficient Performance



Safe and Reliable



Real-time Monitoring



Durability



Intelligent BMS



Cost Effective

Model	AF5000W-LF	AF10000W-LG	AF15000W-LH
Nominal Voltage(Vdc)	51.2	51.2	51.2
Nominal Capacity(Wh)	5120	10240	15360
Working Voltage Range(Vdc)	44.8-56.16	44.8-56.16	44.8-56.16
Charge Voltage(Vdc)	58.4	58.4	58.4
Nominal Charge/Discharge Current(A)	50	100	100
Max.Charge/Discharge Current(A)	100	200	200
Peak Current(A)	200@3sec	400@3sec	400@3sec
Series Connection	≤ 16 pcs		
Cycle Life	6000 @ 80% DOD, 25°C / 0.5C		

## Structure

Dimension(in)	20.48*18.51*5.6	31.5*23.23*5.6	33.71*32.29*6.93
Weight(lbs)	104.06	206.14	310.2
IP Rating	IP65		
Installation	Wall mounted/Floor stand		

## Working Environment

Charge Working Temperature(°F)	32-131
Discharge Working Temperature(°F)	-4~140
Altitude(M)	<2500
Humidity(RH)	5-95% (w/o condensing)

## Communication

Communication Port	RS485, CAN
Display	SOC status indicator, LED indicator

## Certification

CB, IEC62619, UL1973, UKCA, CE-EMC, CE-GPSP, EN62619; UN38.3, MSDS



# High Voltage Stackable Energy Storage Battery

3-10 Modules Stackable

153.6V-512V High Voltage



-  High capacity
-  Scalable Design
-  Efficient Performance
-  Safe and Reliable
-  Real-time Monitoring
-  High Voltage
-  Intelligent BMS
-  Seamless Integration

Power up your energy storage game with compact size, lightweight design, and effortless installation of standardized modules, leveraging the advantages of high voltage. Effortlessly customize battery combinations to meet your energy storage needs.

### Thermal Aerosol Fire Suppression Device

The energy storage system is equipped with a breakthrough aerosol fire suppression device, boasting ultra-high efficiency and reliability. Its compact size, rapid response, and eco-friendly features make it ideal for enclosed spaces like battery compartments. Invest in our ESS today for top-of-the-line fire protection technology to ensure the safety of personnel and property.

Model	AF2500W-HB	AF5000W-HC
Nominal Voltage(Vdc)	51.2	51.2
Nominal Capacity(Wh)	2560	5120
Working Voltage Range(Vdc)	129.6-516.6	129.6-350.4
Charge Voltage(Vdc)	56.16	56.16
Nominal Charge/Discharge Current(A)	25	50
Max.Charge/Discharge Current(A)	50	100
Peak Current(A)	100@3sec	200@3sec
Series Connection	3-10 pcs	3-6 pcs
Cycle Life	6000 @ 80% DOD, 25°C / 0.5C	

### Structure

Power Module Dimensions(in)/Weight(lbs)	23.63*8.26*9.85/30.87	24.02*8.86*9.85/33.07
Battery Module Dimensions(in)/Weight(lbs)	23.63*8.26*6.3 /59.53	24.02*8.86*9.85/114.65
Lampstand Module Dimensions(in)/Weight(lbs)	23.63*8.26*3.55/11.03	24.02*8.86*3.55/12.13
Top Cap Module Dimensions(in)/Weight(lbs)	23.63*8.26*1.97/5.52	24.02*8.86*1.97/6.62
IP Rating	IP65	
Installation	Stacked	

### Working Environment

Charge Working Temperature(°F)	32-131
Discharge Working Temperature(°F)	-4~140
Altitude(M)	<2500
Humidity(RH)	5-95% (w/o condensing)

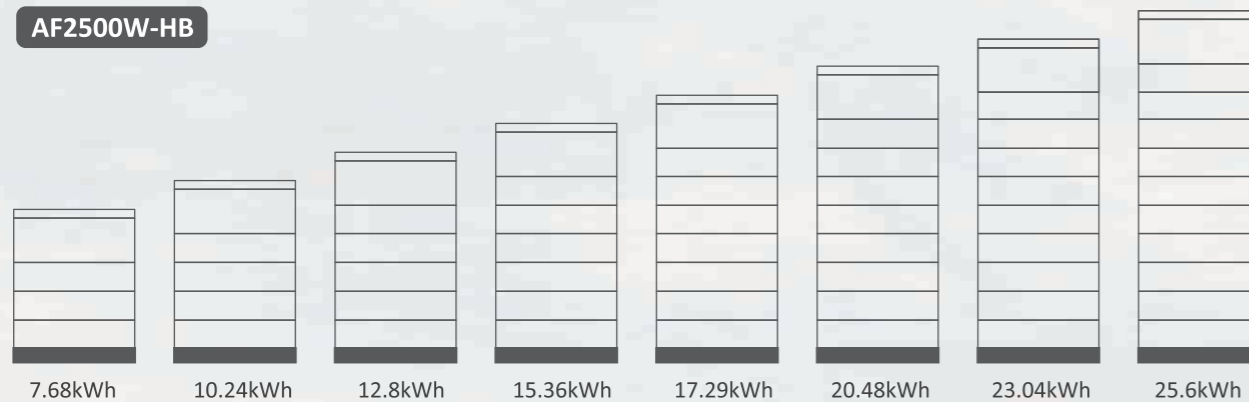
### Communication

Communication Port	RS485, CAN
Display	SOC status indicator, LED indicator

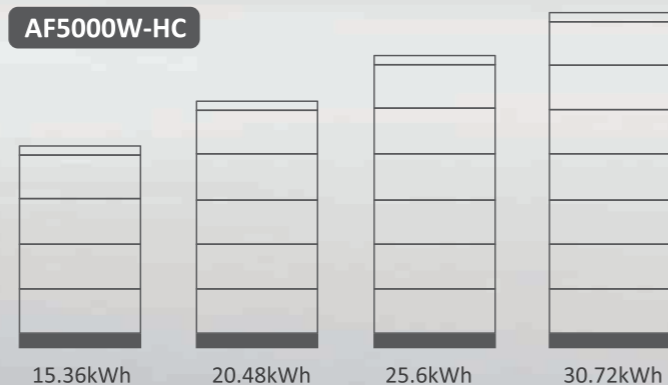
### Certification

CB, IEC62619, CE-EMC, CE-GPDS, UKCA, UL1973, UL9540A, EN62040, IEC62040; UN38.3, MSDS

### AF2500W-HB



### AF5000W-HC



- Higher Conversion Efficiency
- Increased Independence from the Grid
- Better Suitable for Peaking Applications
- Greater Flexibility
- Lower Cost, Larger System
- Faster Charging and Discharging
- Energy Savings

