

PowerWall Energy Storage System

Technical Properties



Uhome-LFP
5kWh/LV



Uhome-LFP
5.8kWh/LV



Uhome-LFP
10kWh/LV

Key Features

- Digital monitoring system APP
- High inverter compatibility
- High quality LFP cells
- CANbus standard connection
- Natural cooling system
- Scalable up to 20-40kWh (4 Parallel)
- 10 Years limited warranty
- IP65

Model	Uhome-LFP 5kWh/LV	Uhome-LFP 5.8kWh/LV	Uhome-LFP 10kWh/LV
Total Energy*	5.1kWh	5.8kWh	10kWh
Usable Energy(DC)*	4.8kWh	5.3kWh	9.2kWh
Nominal Dis-/Charge Power	3.0kW	2.75kW	4.6kW
Peak Power(Only Discharge)	7kW for 3s	7kW for 3s	10kW for 3s
Constant Current(Only Discharge)	100A	100A	120A
Voltage	48~56Vd.c	42~54Vd.c	48~56Vd.c
Nominal Voltage	51.2Vd.c	48Vd.c	51.2Vd.c
Nominal Current	60A	57A	90A
Max. Charge Voltage	57.6Vd.c	54.0Vd.c	57.6Vd.c
Weight	55kg	66kg	101kg
Dimension(mm)	525*537*238mm	525*635*238mm	525*820*238mm
Max.recommended DOD	90%		
Operating Condition	Indoor or outdoor		
Operating Temperature	Charge	From 0~50 °C	
	Discharge	From -10~50 °C	
WIFI Frequency Range	2400MHz~2483MHz		
Humidity	4~100%(No condensed water)		
Pollution Degree	3		
Over Voltage Category	II		
Cooling Type	Natural cooling		
Case Material	Metal + Plastic		
Color	Black+Silver grey or White		
Installation	Free standing		
IP rating	IP 65		
Protective Class	I		
Max. Number of Parallel or Series	4		
Warranty	10 years		
Life Span	>15 years		
Communication	CAN/ RS485		
Protection Mode	Triple hardware protection		
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature		
Safety	Cell UL 1973	Cell UL 1973	Cell UL 1973
	CE	Pack TUV/CE	CE
Hazardous Material Classification	9		
Transportation	UN 38.3		

Testing conditions based on temperature 25 °C at the beginning of life.

*Total Energy/Usable Energy measured under specific conditions from AOB0ET 0.2C CC-CV