

Energy Storage Battery

Uhome-LFP 5000/2400/2500/2600HV



EE-ENERGY
POWERFUL ENERGY SOLUTIONS



- **Assembly freely in series or parallel Up to 8S8P**
- **High energy efficiency Energy efficiency (charge and discharge) > 97%**
- **High Rate Charge & Discharge**
- **More Safety Dual hardware & Triple software protection**
- **Safe and Reliable BMS Relay design instead of mosfet**
- **Long Life Reliable LFP cells,Cycle life >6000 cycles**
- **High Reliability Key devices (Relay,Fuse) approved by UL and IEC**
- **More Smart With digital monitor system App with WIFI**
- **Smart Design & Easy installation Plug in & off**
- **More Quiet Without fan,more quiet and reduce the risk of fan failure**



Specification

Model	Uhome-LFP 5000	Uhome-LFP 2400	Uhome-LFP 2500	Uhome-LFP 2600HV
Total Energy*	5.1kWh	2.4kWh	2.5kWh	2.56kWh
Usable Energy(DC)*	4.8kWh	2.2kWh	2.2kWh	2.2kWh
Nominal Dis-/Charge Power	3.0kW	1.5kW	1.5kW	1.5kW
Peak Power(Only Discharge)	6kW for 3s	3kW for 3s	3kW for 3s	3kW for 3s
Constant Current(Only Discharge)	80A	40A	40A	20A
Voltage	48~56Vd.c	48~56Vd.c	48~56Vd.c	96~112Vd.c
Nominal Voltage	51.2Vd.c	51.2Vd.c	51.2Vd.c	102.4Vd.c
Nominal Current	60A	30A	30A	15A
Max. Charge Voltage	57.6Vd.c	57.6Vd.c	57.6Vd.c	115.2Vd.c
Weight	45kg	27.5kg	27kg	27kg
Dimension(mm)	500*448*135mm	500*442*133mm	500*442*88mm	500*442*88mm
Max.recommended DOD	90%			
Operating Condition	Indoor			
Operating Temperature	Charge	From 0~50 °C		
	Discharge	From -10~55 °C		
WIFI Frequency Range	2400MHz~2483MHz			
Humidity	< 60%(No condensed water)			
Over Voltage Category	II			
Cooling Type	Natural cooling			
Case Material	Metal			
Color	Black or White			
Installation	WII mounting/Ground Installation			
IP rating	IP 20			
Protective Class	I			
Max. Connection Number	8S/4P	8S/8P	8S/8P	6S
Warranty	10 years			
Life Span	>15 years			
Communication	CAN/ RS485			
Protection Mode	Dual hardware protection			
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature			
Safety	Cell UL 1973	Cell UL 1973	Cell TUV	Cell TUV
	CE/TUV			
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 ABOET 0.2C CC-CV