

Uhome-CIS 120kWh

Industrial & Commercial Storage Cabinet



Flexible Expansion

Maximum support for 8 machines in AC parallel, expandable to 0.96MWh;

IP54

Resistant to outdoor installation with strong environmental adaptability;

Smart BMS

Automatic balancing between packs.

PRODUCT FEATURES



Safe&Reliable

Equipped with multiple protection mechanisms such as fire protection, surge protection, circuit breakers, relays, etc;



Minimalist

Front and rear double door design, compact structure, clear and simple layout, resulting in high space utilization.



Usability

Integrated distribution box, easier to use and convenient for later maintenance.



Economical

Pre-made machine delivered as a whole for easy transportation& installation& maintenance, saving up to 15% in costs.



Intelligent

Platform supports remote monitoring& maintenance& intelligent balancing strategy for battery life cycle consistency& revenue improvement.

● Technical Specifications

Product Image		
Model	120kWh/64V/314Ah	120kWh/384V/314Ah
Battery Type	LiFePO ₄ Prismatic	
Nominal Energy	20.096kWh	120.576kWh
Usable Energy*	18.6kWh	112.1kWh
Nominal Capacity	314Ah	
Nominal Voltage	64V	384V
Operating Voltage	60~70V	360~420V
Recommended Charge&Discharge Current	100A/100A	
Max Charge/Discharge Current	150A/150 A	
Peak Discharge Current	200A(3S)	
Peak Discharge Power	12.8kW	75kW
Recommended Depth of Discharge (DOD)	93%	
Charging Temp. Range	From 0~55℃	
Discharging Temp. Range	From -10~55℃	
Cycle Life	> 8000@25℃	
Scalability	1 Parallel/6 Series	8 Parallel
WIFI Module	Uhome	
Communication	daisy-chain	CAN/ RS485
IP Rating	IP20	IP54
Recommended Humidity	5%~95%(No condensed water)	
Cooling Type	Forced air cooling	Air conditioning cooling
Color	White(Optional)	
Installation	Ground Mounting	
Net Weight	145±2kg	1400kg
Dimension(L*W*H)	893*387*243mm	1040*1335*1860mm
Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Warranty	5/10 years(optional)*	
Certification	UN 38.3/CE/IEC62619	

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

*Total Energy/Usable Energy measured under specific conditions by Uhome 0.2C CC-CV and based on recommended DOD(93%).

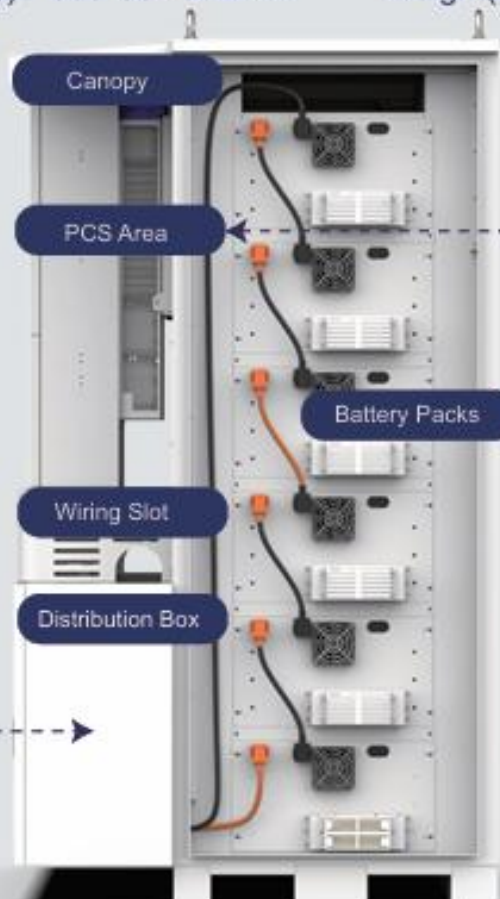
● Internal Structure Description

Dimension(Cabinet): 1040*1335*1860mm

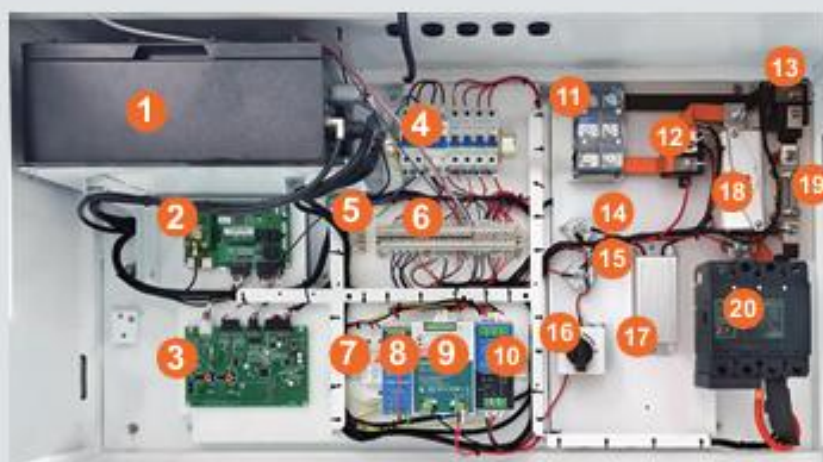
Dimension(Single Battery): 893*387*242mm

Weight(Cabinet): 530kg

Weight(Single Battery): 145kg



It is recommended to configure the inverter by yourself and choose Solis 50kW three phase inverter as an option.



- 1→Fire protection
- 2→RTC
- 3→BCU
- 4→Circuit Breaker
- 5→Ground Terminal Block
- 6→Wiring Terminal Block
- 7→Surge Protector
- 8→AC/DC Power Supply
- 9→DC/DC Power Supply
- 10→Redundant Module
- 11→PACK Terminal Block
- 12→Main Positive Relay
- 13→Main Negative Relay
- 14→Pre-charge Relay
- 15→DC/DC Relay
- 16→Switch
- 17→Pre-charge Resistor
- 18→Fuse
- 19→Shunt Device
- 20→DC Relay