

Uhome-CIS 240kWh

Industrial & Commercial Storage Cabinet



Flexible Expansion

Maximum support for 8 machines in AC parallel, expandable to 1.92MWh;

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	240kWh/64V/314Ah	240kWh/384V/314Ah
Battery Type	LiFePO ₄ Prismatic	
Nominal Energy	20.096kWh	241.152kWh
Usable Energy*	18.6kWh	224.2kWh
Nominal Capacity	314Ah	
Nominal Voltage	64V	768V
Operating Voltage	60~70V	720~840V
Recommended Charge&Discharge Current	100A/100A	
Max Charge/Discharge Current	150A/150 A	
Peak Discharge Current	200A(3S)	
Peak Discharge Power	12.8kW	150kW
Recommended Depth of Discharge (DOD)	93%	
Charging Temp. Range	From 0~55℃	
Discharging Temp. Range	From -10~55℃	
Cycle Life	> 8000@25℃	
Scalability	12 Series	8 Parallel
WIFI Module	Uhome	
Communication	daisy-chain	CAN/ RS485
IP Rating	IP20	IP54
Recommended Humidity	5%~95%(No condensed water)	
Cooling Type	Natural cooling	
Color	White	
Installation	Ground Mounting	
Net Weight	145±2kg	2340kg(Include Cabinet)
Dimension(L*W*H)	893*387*243mm	1370*1350*1860mm
Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Warranty	5/10 years(optional)*	
Certification	UN38.3/CE/IEC62619	

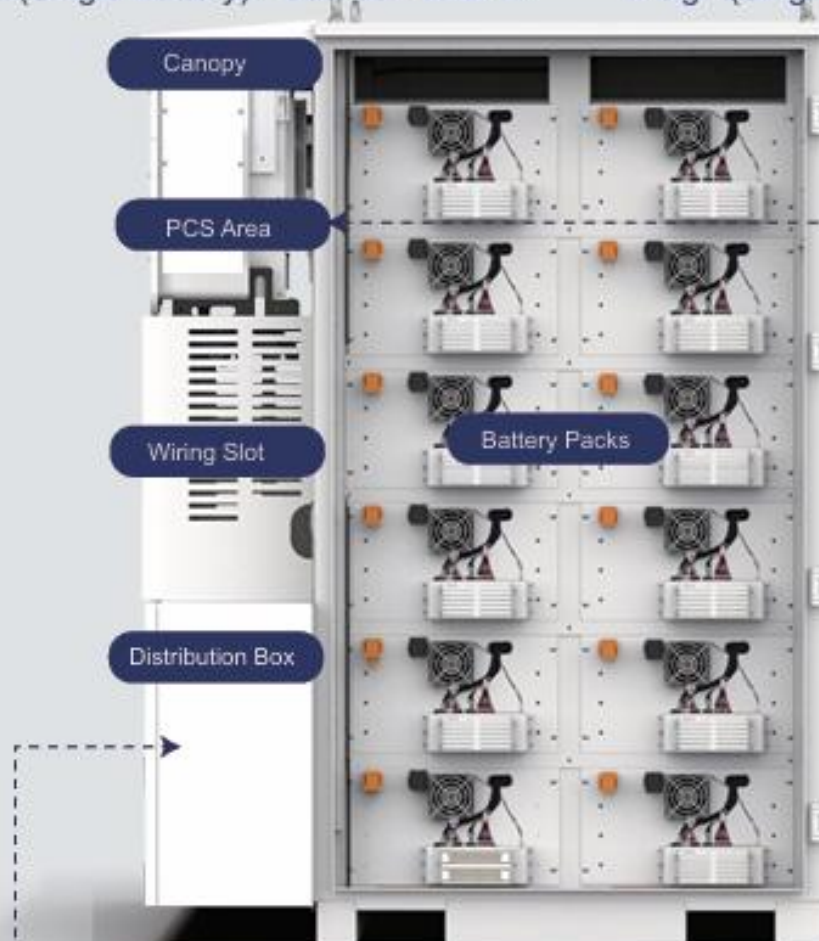
Testing conditions based on temperature 25℃ at the beginning of life.

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

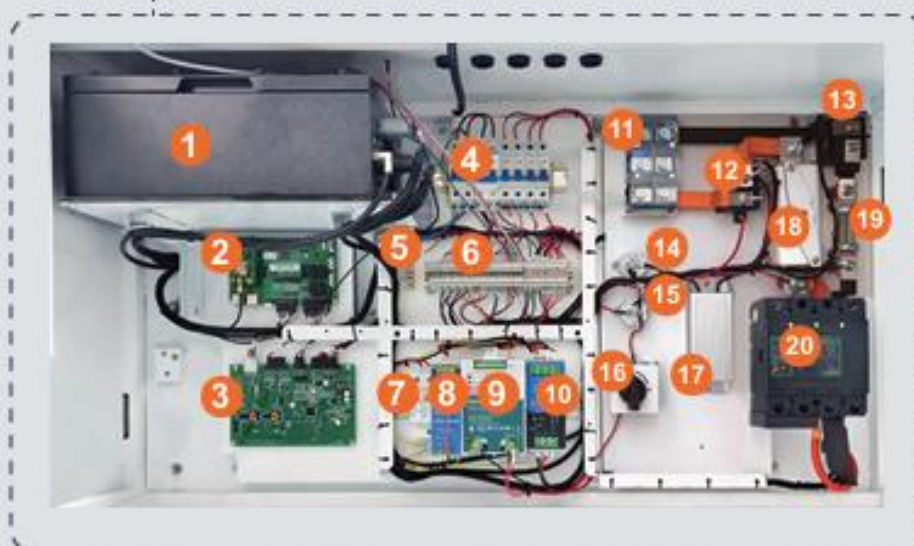
● Internal Structure Description

Dimension(Cabinet): 1370*1350*1860mm
 Dimension(Single Battery): 893*387*242mm

Weight(Cabinet): 600kg
 Weight(Single Battery): 145kg



It is recommended to configure the inverter by yourself and choose Solis 125kW 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