

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;



Economical

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



Minimalist

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



Intelligent

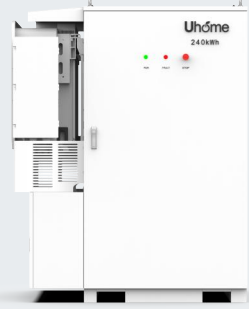
Platform supports remote monitoring& maintenance& intelligent balancing strategy for battery life cycle consistency& revenue improvement.



Usability

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

● Technical Specifications

Product Image		
Model	240kWh/64V/314Ah	240kWh/768V/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 -30~55 °C	
Discharging Temp. Range	From -30~55 °C	
Cycle Life	≥8000@25 °C	
Scalability	12 Series	8 Parallel
WIFI Module	Built-in	
Communication	daisy-chain	CAN/ RS485
IP Rating	IP20	IP54
Recommended Humidity	5%~95%(No condensed water)	
Cooling Type	Air-conditioner	
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	10 years(battery)*	
Certification	UN38.3/CE/IEC62619	

Testing conditions based on temperature 25°C 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%).

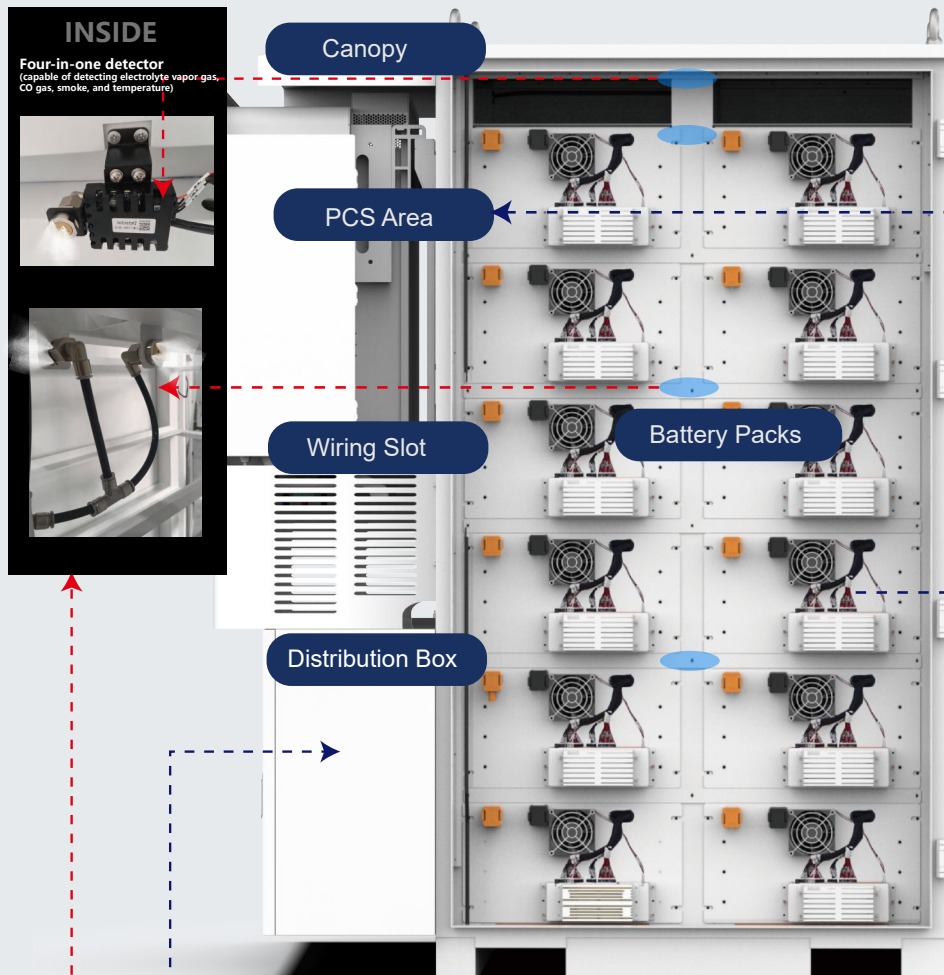
Internal Structure Description

Dimension(Cabinet): 1370*1350*1860mm

Weight(Cabinet): 600kg

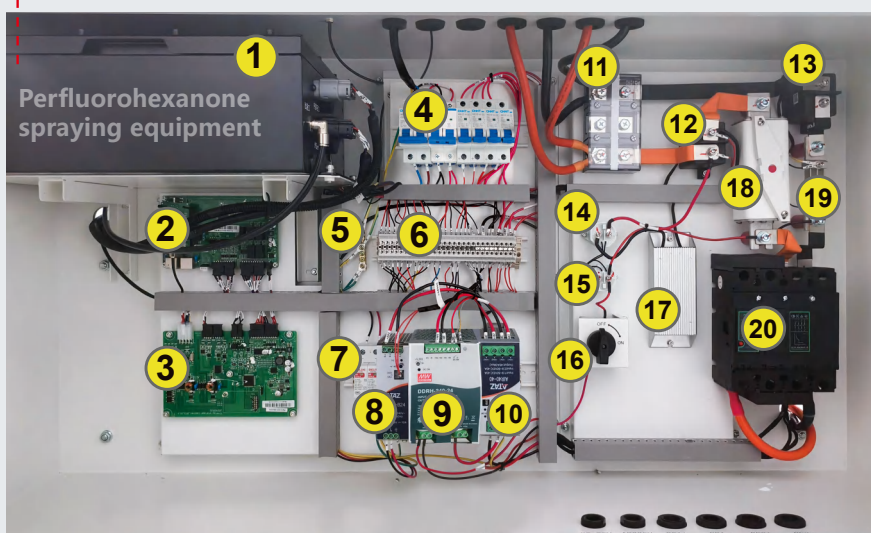
Dimension(Single Battery): 893*387*242mm

Weight(Single Battery): 145kg




It is recommended to configure the inverter by yourself and choose Solis 125kW three phase inverter as an option.

Fire Protection:
Built-in aerosol




- 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→Fuse
- 18→Pre-charge Resistor
- 19→Shunt Device
- 20→DC Switch

● Technical Specifications

Product Image		
Models	S6-EH3P125K10-NV-YD-H	
Input DC (PV side)		
Recommended max. PV array size	240 kW	
Max. usable PV input power	240 kW	
Max. input voltage	1000 V	
Rated voltage	600 V	
Start-up voltage	180 V	
MPPT voltage range	150 - 950 V	
Max. input current	10 × 42 A	
Max. short circuit current	10 × 60 A	
MPPT number / Max. input strings number	10 / 20	
Battery		
Battery type	Li-ion	
Battery voltage range	300 - 950 V	
Max.charge / discharge current	200 A / 100 A + 100 A	
Number of battery ports	2	
Max. charge / discharge current of each port	100 A	
Communication	CAN / RS485	
Output AC (Grid side)		
Rated output power	125 kW	
Max. apparent output power	125 kVA	
Rated grid voltage	3/N/PE, 220 V / 380 V, 230 V / 400 V	
Rated grid frequency	50 Hz / 60 Hz	
Rated grid output current	180.4 A / 189.9 A	
Power factor	> 0.99 (0.8 leading - 0.8 lagging)	
THDi	< 3%	
Input AC (Grid side)		
Max. input current	250 A	
Output AC (Back-up)		
Rated output power	125 kW	
Max. apparent output power	1.2 times of rated power, 10 mins; 1.4 times of rated power, 100 s; 1.6 times of rated power, 10 s; 2 times of rated power, 200 ms	
Back-up switch time	< 10 ms	
Rated output voltage	3/N/PE, 220 V / 380 V, 230 V / 400 V	
Rated frequency	50 Hz / 60 Hz	
THDv (@linear load)	< 2%	
Efficiency		
Max. efficiency	97.6%	
EU efficiency	97.2%	
BAT charged /discharged to AC max. efficiency	97.0%	

● Technical Specifications

Product Image	
Models	S6-EH3P125K10-NV-YD-H
Protection	
Anti-islanding protection	Yes
Output over current protection	Yes
Short circuit protection	Yes
Integrated DC switch	Yes
DC reverse-polarity protection	Yes
Surge protection	DC Type II / AC Type II
Integrated AFCI 2.0	Optional
Protection class / Over voltage category	I / II
General Data	
Max. allowable phase imbalance (grid & back-up)	100%
Max. power per phase (grid & back-up)	41.66 kW
Dimensions (W × H × D)	1174 × 814 × 400 mm
Weight	170 kg
Topology	Transformerless
Operating ambient temperature range	-25 ~ +60°C
Ingress protection	IP66
Cooling concept	Intelligent fan-cooling
Max. operation altitude	3000 m
Grid connection standard	G99, VDE-AR-N 4105/VDE V 0124, EN 50549-1&2/EN 50549-10, VDE 0126/UTE C 15/VFR:2019, NTS 631/ RD 1699/RD 244/UNE 206006/UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA, PORTARIA N° 140, DE 21 DE MARÇO DE 2022
Safety / EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4, EN 55011
Features	
PV connection	MC4 Quick connection plug
Battery connection	Terminal connector
AC connection	Terminal block
Display	7.0" LCD display & Bluetooth + APP
Communication	CAN, RS485-115200, Ethernet, Optional: Wi-Fi, Cellular, LAN