



Lithium Battery

H-U4850G

THREE YEARS
Complete Parts Warranty

10
YEARS

SERVICE
WARRANTY



Small Form Factor
Sparing Floor Space



Powerful Energy Supply
Trusted & Sustained



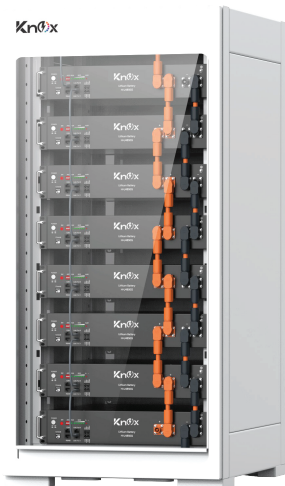
Easy to Install
Easy to Transport



Parallel System
2.5kWh ~ 20kWh Capacity



Knox



PRODUCT FEATURES

- Scalable from 2.5kWh to 20kWh power configurations.
- Modular design allows convenient installation, more operation.
- Extendable-modular, adding more capacities as needed.
- Safest LiFePO4 technology, sustained powersupply.
- 6000 cycle life.
- Armed with KNOX designed BMS, full -scale protection, safety first.
- Floor space sparing, allowing more space management.
- RS485, CAN communication support.
- Compatible with mainstream brand inverters: Goodwe, Growatt, Deye, Victron, Studer, Aiswei, Voltronic, SRNE...

Rack Battery H- U4850G

The KNOX Rack Battery H-U4850G is a BESS that covers a variety of application scenarios, including residential, backup power supply, and more, users can extend the system capacity by adding more battery-modules to achieve a longer range of performance.

Given the credit to the KNOX BMS, users can scale the battery configuration up to 8 pcs in parallel to meet the use requirement, supports power configuration from 2.5kWh to 20kWh.

Powered by LiFePO4 battery technology, the KNOX Rack Battery delivers a secured, sustained, and powerful energy supply, keeping-critical appliances in charge, guarding your power consumption with ideal performance.

TECHNICAL PARAMETERS

Technical Parameters

Battery Module Model	H-U4850G
Cell Technology	LiFePO4
Battery Module Voltage (Vdc)	48
Battery Module Capacity (Ah)	52
Battery Module Capacity (kWh)	2.5
Communication	CAN, RS485
Cycle Life (Cycles)	6000
Battery Module Charge Upper - Voltage (Vdc)	54
Battery Module Discharge Lower - Voltage (Vdc)	40.5
Max. Charge/Discharge Current (Amps)	52
Peak Charge/Discharge Current (Amps)	100(<15s)
Configuration (modules per group)	Up to 8pcs

Mechanical Parameters

Dimension (mm)	440*410*89 (±1.5)
Weight (kg)	23(±0.5)
Protection Class	IP20
Cooling Type	Natural Cooling
Charge Temperature Range (°C)	0 ~ 50
Discharge Temperature Range (°C)	- 10 ~ 50
Humidity	5% ~ 85% (without condensation)
Certificate	CE, UN38.3