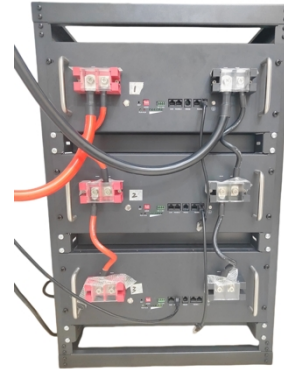


# High capacity solar battery rack system

## (7.68kWh – 307kWh)



High Safety  
(no fire)



Discharging to 0V  
High DoD



Sustainable  
(no lithium)



6000 cycles  
(standard 25°C)



-40 to +60°C  
(discharging)

Model	FHBS-XXKLV-02
Energy	7.68 – 307.2 kWh
Cycle life	6000+
Power	From 8 to 300 kW

- **Strong scalability**
  - Capacity starts from 7.68 kWh to 307.2 kWh
  - 38.4 kWh per rack
  - Parallel connection of 8 stacks to get max 307.2 kWh
- **Ingress protection grade**
  - IP54 (indoor use)
- **Safety**
  - Developed with sodium-ion battery, safer than lithium-ion battery
  - No fire risk
- **High compatibility**
  - Can work with mainstream inverters on the market



## Modular scalability

Model	FHBS-7_68LV-02	FHBS-38_4LV-02
Module quantity (kWh)	1	5
Energy (kWh)	7.68	38.4
Rated voltage (V)	48V	48V
Max Sustained Charging power (kW)	7.68	38.4
Working voltage (V)	24-60.8V	24-60.8V
Size Module in Rack (mm)	442*222*600	442*1300*600
Weight (with platform and BCU) (kg)	80	132
Discharge temperature (°C)	-40 to +60	
Battery cell type	Sodium-ion prismatic	
Protection rating	IP-54	
Round trip efficiency	≥ 95%	
Scalability	Up to 5 modules per rack	Racks can be put in parallel
Cycle performance	> 70% remaining after 6000 cycles	
Applications	On-grid / on-grid + backup / off-grid	
Communication	RS232 / RS485 / CAN	
Compatible inverter brands	CSIT – FHI-XXK1P-EU01 Hybrid solar inverters PACE / PYLON / Growatt / Voltronic/ Schneider / Luxpowertek / WOW / VISION / GoodWe / SMA / Sorotec / STUDER / SofarSolar / GINLONG / MUST / Victron / SRNE	