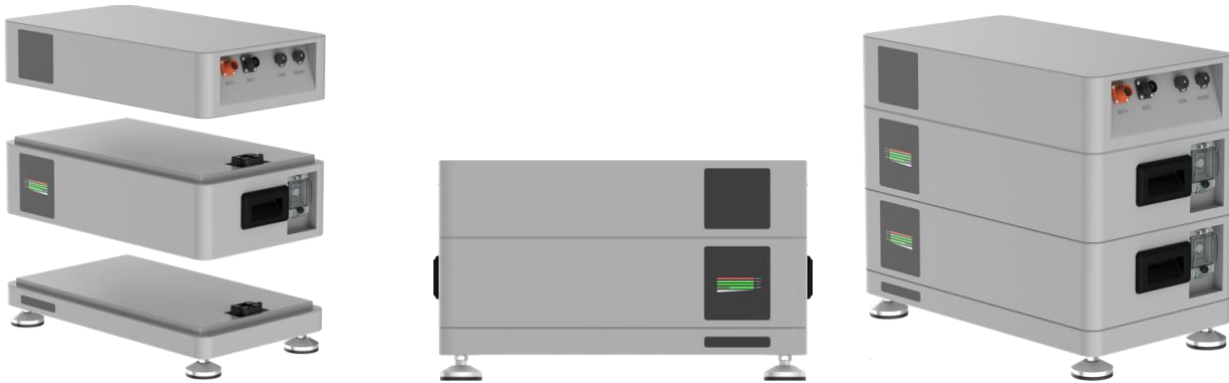




Technical Datasheet for 48V Na-ion 3.84 – 19.2kWh battery pack



Safe



Discharge
to 0V



More
Environmental



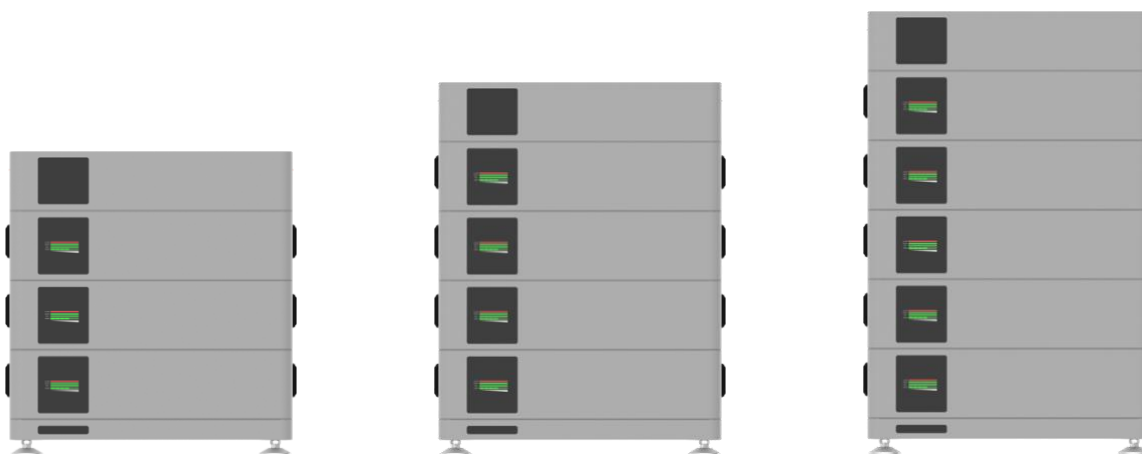
3000+ cycles



-40 to +60°C
discharge range

Model	FHBS-XXKLV-01
Energy	3.84 – 19.2 kWh
Cycle life	3000+
Power	3.84 – 19.20 kW
Conversion Efficiency	Over 95%

- **Strong scalability**
 - Capacity starts from 3.84kWh to 19.2kWh (1 to 5 modules)
 - Parallel connection to get max 57.60kWh •
- **Ingress protection grade**
 - IP65, able to place outdoor
- **Stacking design**
 - Seamless module connection, easy in-stallation process, space saving
- **Self-adaption**
 - Automatically adapt to required voltage
- **Safety**
 - Developed with sodium-ion battery, safer than lithium ion battery
 - No fire risk
- **High compatibility**
 - Can work with mainstream inverters on the marker



Model	FHBS-3_8LV-01	FHBS-7_6LV-01	FHBS-11KLV-01	FHBS-15KLV-01	FHBS-19KLV-01
Module quantity (kWh)	1	2	3	4	5
Energy (kWh)	3.84	7.68	11.52	15.36	19.20
Rated voltage (V)	48				
Max Sustained Charging power (kW)	3.84	7.68	11.52	15.36	19.20
Working voltage (V)	24 to 64				
Size (with platform and BCU) (mm)	700*370*380	700*370*540	700*370*700	700*370*860	700*370*1020
Weight (with platform and BCU) (kg)	80	132	183	234	285
Discharge temperature (°C)	-40 to +60				
Battery cell type	Sodium ion (layer oxide)				
Protection rating	IP65				
Round trip efficiency	≥ 95%				
Scalability	Max of 15 modules in parallel (total of 57.60 kWh)				
Cycle performance	> 70% remaining after 3000 cycles				
Applications	On-grid / on-grid + backup / off-grid				
Communication	CAN / RS485				
Compatible inverter brands	CSIT – FHI-XXK1P-EU01 Hybrid solar inverters PACE / PYLON / Growatt / Voltronic/ Schneider / Luxpowertek / WOW / VISON / GoodWe / SMA / Sorotec / STUDER / SofarSolar / GINLONG / MUST / Victron / SRNE				