



High-Voltage Residential Battery

Lithium Battery System: BHF-S10/S15/S20/S25/S30

The LIVOLTEK BHF HV Battery System is ideal for new installation of residential energy storage system. With high energy density, high efficiency, modular stacking design and IP65 rating, BHF series battery is space-saving for indoor and outdoor installation. Up to 30 kWh system can fit your high energy demand.

Features

- IP65 supporting indoor and outdoor installation
- Long cycle life and safest prismatic LFP batteries
- Remote fault diagnosis, upgrade and maintenance
- Reliable performance: high efficiency, high energy density and 90% DOD
- Modular stacking design, easy installation, supporting floor and wall mounting



Safe to Use



Long Cycle Life
(6000 Cycles)



Modular Expansion



Reliable Performance

Compatible Products



Hybrid Inverter



Monitoring System

Specifications

Model	BHF-S10	BHF-S15	BHF-S20	BHF-S25	BHF-S30
Nominal Voltage	204.8V	307.2V	409.6V	512V	614.4V
Operating Voltage Range	172.8V-230.4V	259.2V-345.6V	259.2V-345.6V	432V-576V	518.4V-691.2V
Battery Module	102.4V 50Ah 5.12kWh				
Number of Modules	2	3	4	5	6
Total Energy	10.2kWh	15.4kWh	20.5kWh	25.6kWh	30.7kWh
Usable Energy	9.2kWh	13.8kWh	18.4kWh	23.0kWh	27.6kWh
Rated Capacity	50Ah				
Nominal Power	5.1kW	7.7kW	10.2kW	12.8kW	15.4kW
Max. Power	9.8kW	14.7kW	19.7kW	24.6kW	29.5kW
Recommend Charge/Discharge Current	25A				
Max. Charge/Discharge Current	48A				
Cycle Life	6000 Cycles ^[1]				
Expected Life Time/Warranty	10 Year				
Operating Temperature Range	Charge: 0 C ~55 C/Discharge: -20 C ~55 C				
Storage Temperature	-20 C ~55 C				
Operating Humidity	5%-95%				
Operating Altitude	Below 4000m				
Protection Degree	IP65				
Installation Location	Wall-mounted / Ground-mounted				
Battery to Inverter Communication	CAN				
Battery to Battery/BMS	CAN				
Certificate	CE,UN38.3,IEC62619,IEC61000				
Protective Level	I				
Dimensions(W×H×D mm)	870*878.5*208.7	870*1167*208.7	870*1455*208.7	870*1167*208.7 870*778*208.7	870*1167*208.7 870*1067*208.7
Net Weight	147kg	209kg	271kg	356kg	418kg

[1]: Test conditions: 0.5C Charge/0.5C Discharge, @25 C, 90% DOD, 70% EOL.