

HIGH-VOLTAGE RESIDENTIAL BATTERY

LITHIUM BATTERY SYSTEM: BHF-S5/10/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.

Product Benefits

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

LIVOLTEK

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BHF-S5/S10/S15/S20/S25/S30

BATTERY

Model	BHF-S5	BHF-S10	BHF-S15	BHF-S20	BHF-S25	BHF-S30
Technical Properties						
Nominal Voltage	102.4V	204.8V	307.2V	409.6V	512V	614.4V
Operating Voltage Range	86.4V-115.2V	172.8V-230.4V	259.2V-345.6V	345.6V-460.8V	432V-576V	518.4V-691.2V
Battery Module	102.4V 50Ah 5.12kWh					
Number of Modules	1	2	3	4	5	6
Total Energy	5.1kWh	10.2kWh	15.4kWh	20.5kWh	25.6kWh	30.7kWh
Usable Energy	4.6kWh	9.2kWh	13.8kWh	18.4kWh	23.0kWh	27.6kWh
Rated Capacity	50Ah					
Nominal Power	2.6kW	5.1kW	7.7kW	10.2kW	12.8kW	15.4kW
Max. Power	4.9kW	9.8kW	14.7kW	19.7kW	24.6kW	29.5kW
Rated Charge/Discharge Current	25A					
Max. Charge/Discharge Current	48A					
Cycle Life	6000 Cycles[1]					
Operating Temperature Range	Charge: 0°C to 55°C Discharge: -20°C to 55°C					
Storage Temperature	-20°C to 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*590*208.7	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	85kg	147kg	209kg	271kg	147+209=356kg	209+209=418kg

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