LIVOLTEK

High Voltage Residential Battery

Lithium Battery System: BHF-S5/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. Also, multiple battery clusters can be in parallel for expanding capacity and power (up to 5 in parallel for a capacity of 150 kWh..

Product Benefits

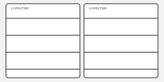
- IP65 supporting indoor and outdoor installation
- Remote fault diagnosis, upgrade and maintenance
- Reliable performance: high efficiency, high energy density and 90% DOD
- Long cycle life and safest prismatic LFP batteries
- Modular stacking design, easy installation, supporting floor and wall mounting

202608V1 Edition
Design and specifications are subject to change without notice.

High Voltage Residential Battery

BATTERY

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

Model	BHF-S5	BHF-S10	BHF-S15	BHF-S20	BHF-S25	BHF-S30
Technical Properties						
Nominal Voltage	102.4 V	204.8 V	307.2 V	409.6 V	512 V	614.4 V
Operating Voltage Range	86.4-115.2V	172.8-230.4V	259.2-345.6V	345.6-460.8V	432-576V	518.4-691.2V
Battery Module	102.4 V, 50 Ah, 5.12 kWh					
Number of Modules	1	2	3	4	5	6
Total Energy	5.1 kWh	10.2 kWh	15.4 kWh	20.5 kWh	25.6 kWh	30.7 kWh
Usable Energy	4.6 kWh	9.2 kWh	13.8 kWh	18.4 kWh	23.0 kWh	27.6 kWh
Rated Capacity	50 Ah					
Nominal Power	2.6 kW	5.1 kW	7.7 kW	10.2 kW	12.8 kW	15.4 kW
Max. Power	4.9 kW	9.8 kW	14.7 kW	19.7 kW	24.6 kW	29.5 kW
Rated Charge/Discharge Current	25 A					
Max. Charge/Discharge Current	48 A					
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 4000 m					
Protection Degree	IP65					
Installation Location	Wall-mounted / Ground-mounted					
Battery to Inverter Communication	CAN					
Battery to Battery / BMS	CAN					
Certificate	CE, UN38.3, IEC 62619, IEC 61000					
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	85 kg	147 kg	209 kg	271 kg	356 kg	418 kg

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