

HIGH-VOLTAGE BATTERY

BHF-C80/100/120/140/160
BHF-C180/200/220/240

The BHF-C Series is suitable for small and medium-scale commercial and industrial scenarios. Equipped with a high safety 314Ah LFP battery to support 5 clusters in parallel with max. Capacity of 1205kWh, it features a rack-mounted design for easy installation and intelligent charge/discharge strategies, enabling efficient, sustainable energy management.

Flexible Expansion

- Battery delivers 241kWh per cluster, up to 5 clusters in parallel
- Support 80kWh-1.2MWh flexible capacity expansion

High Performance

- 314Ah high-performance LFP cells
- 6000+cycles life

Smart Control

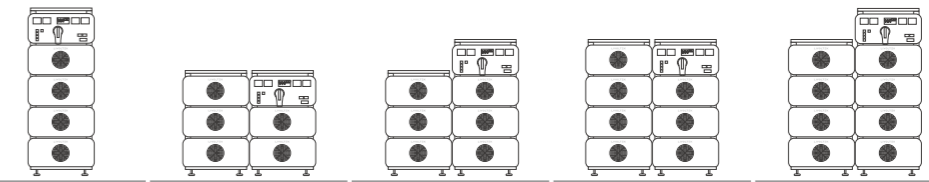
- Built-in intelligent BMS
- Support remote monitoring and upgrades



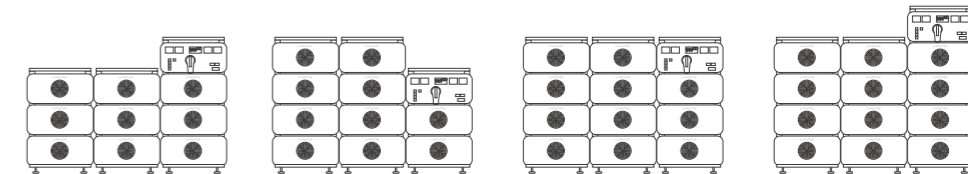
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BATTERY



Model	BHF-C80	BHF-C100	BHF-C120	BHF-C140	BHF-C160
Nominal Voltage	256 V	320 V	384 V	448 V	512 V
Operating Voltage Range	224 ~ 288 V	280 ~ 360 V	336 ~ 432 V	392 ~ 504 V	448 ~ 576 V
Rate Capacity	314 Ah				
Number of Modules	4	5	6	7	8
Total Energy	80.4 kWh	100.5 kWh	120.6 kWh	140.7 kWh	160.8 kWh
Usable Energy ¹	72.3 kWh	90.4 kWh	108.5 kWh	126.6 kWh	144.7 kWh
Rated Charge / Discharge Power	40.2 kW	50.2 kW	60.3 kW	70.3 kW	80.4 kW
Max. Charge / Discharge Power	40.2 kW	50.2 kW	60.3 kW	70.3 kW	80.4 kW
Max. Charge / Discharge Current	179.4 A				
Weight	640 kg	807 kg	954 kg	1100 kg	1248 kg



Model	BHF-C180	BHF-C200	BHF-C220	BHF-C240
Nominal Voltage	576 V	640 V	704 V	768 V
Operating Voltage Range	504 ~ 648 V	560 ~ 720 V	616 ~ 792 V	672 ~ 864 V
Rate Capacity	314 Ah			
Number of Modules	9	10	11	12
Total Energy	180.9 kWh	201.0 kWh	221.1 kWh	241.2 kWh
Usable Energy ¹	162.8 kWh	180.9 kWh	199.0 kWh	217.0 kWh
Rated Charge / Discharge Power	90.4 kW	100.5 kW	110.5 kW	120.6 kW
Max. Charge / Discharge Power	90.4 kW	100.5 kW	110.5 kW	120.6 kW
Max. Charge / Discharge Current	179.4 A			
Weight	1414 kg	1561 kg	1708 kg	1855 kg

General Data

Depth of Discharge	90%
Operating Temperature	-20 to 55 °C
Operating Humidity	0% ~ 95%
Operating Altitude	3000 m
Communication	CAN / RS485
Cooling Type	Smart Fan Cooling
Ingress Protection	IP20
Cycle Life ²	≥6000 (25±2°C, 0.5C / 0.5C, EOL70%)
Weight	640 kg 807 kg 954 kg 1100 kg 1248 kg
Dimension [W × H × D]	PACK: 503*272*956mm PDU: 503*272*980mm

1: Test conditions: 90% depth of discharge, 0.2C rate charge & discharge at 25°C, at the beginning of service life.
2: The warranty is due whichever reached first of warranty period or life cycle power.