

RECHARGEABLE LI-ION BATTERY SYSTEM

hinen

MAX. 160.2KWH

1~3 modules connected per cluster
Up to 6 Clusters can be connected per inverter

B8900M-HA / B8900M-HB / B8900M-HC
B8900M-HAW/ B8900M-HBW/ B8900M-HCW

- ✓ Stackable integrated design, plug & play, no additional cable.
- ✓ Optional battery heating function, ensuring worry-free charging and discharging even at -20°C.
- ✓ Up to 52A charge & discharge (continuous), faster than you've ever expected.
- ✓ Automotive-Grade AFE chip, experience ultra accuracy for optimal system.

✓ Top-tier Safety, 5-layer Battery Protection:

- ① Full coverage temperature detection
- ② BMS intelligent control, over-temp., over-current, over-voltage protection
- ③ Built-in DC breaker
- ④ Internal aerosol fire extinguisher
- ⑤ Decompression valve
- ⑥ Visible energy tracking & remote upgrade on Hinen APP

Technical Parameter



Product name	Rechargeable Li-ion Battery System		
Battery system model	B8900M-HA	B8900M-HB	B8900M-HC
Number of battery modules	1 module	2 modules	3 modules
BMS control unit model	B8900M-HP		

System Data

Rated capacity *	8.985KWh	17.971KWh	26.956KWh
Depth of Discharge (DOD)		90%	
Available energy*	8.087KWh	16.173KWh	24.260KWh
Battery module	172.8V, 52Ah, 8.985KWh		
Cell type	LFP(LIFEPO ₄)		
Cycle life*	8000 cycles		
Battery configuration	54S1P	108S1P	162S1P
Rated voltage	172.8 VDC	345.6 VDC	518.4 VDC
Operating voltage	135~194.4 VDC	270~388.8 VDC	405~583.2 VDC
Maximum charge/discharge current*	52A		
Maximum charge/discharge power*	8.985KW	17.971KW	26.956KW
Battery Clustering Function	Yes, 6 clusters per inverter		
Maximum Battery Expansion Capacity	160.2kWh		
Operating temperature	charge: 0~55°C / Discharge: -20~60°C		
Storage temperature and SOC	-10~35°C @SOC60%		
Running logs	4G-Byte		

Protection

Overvoltage/Undervoltage protection	Yes
Overcurrent protection	Yes
Overtemperature/undertemperature protection	Yes
DC circuit breaker	Yes
Shutdown current	Yes

General Data

Communication	CAN		
Humidity	15% to 90% no condensing		
Operating Altitude	≤3000m		
IP rating	IP65		
Cooling method	Natural convection		
Weight	101KG	185KG	269KG
Dimensions (without foot pad)	730*710*180mm	730*1220*180mm	730*1730*180mm
Dimensions (with foot pad)	730*754*180mm	730*1264*180mm	730*1774*180mm
Installation location	Indoor / Outdoor		
Installation method	Floor stand		
Certification	CB, CE, UKCA, LOA, SONCAR, RCM, EMC, ROHS, S-Mark, KBIA, UL		
	IEC 62619:2022, IEC 60730-1 Appendix H, IEC/EN 62368-1, EN IEC61000-6-1/3, IEC 60529, IEC 60068-2-52		
	UN 38.3, MSDS		
Warranty*	10 years Warranty, 10 Years Performance Life		
Country of manufacture	Made in China		

Rated capacity *: Test conditions: 100% DOD, 0.5C charge and discharge at +25±2°C. Available energy*: Test conditions: 90% DOD, 0.5C charge and discharge at +25±2°C.
 Cycle life*: Test conditions: 90% DOD, 0.2C charge and 0.5C discharge at +25±2°C. Maximum Charge and Discharge Current*/Power *: Maximum continuous charge and discharge current and power derating will be temperature and SOC dependent.
 Warranty*: Refer to the product warranty terms for details.

Technical Parameter



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Operating temperature	charge: -20~55°C / Discharge: -20~60°C		
Storage temperature and SOC	-10~35°C @SOC60%		
Running logs	4G-Byte		

Protection

Overvoltage/Undervoltage protection	Yes
Overcurrent protection	Yes
Overtemperature/undertemperature protection	Yes
DC circuit breaker	Yes
Shutdown current	Yes

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