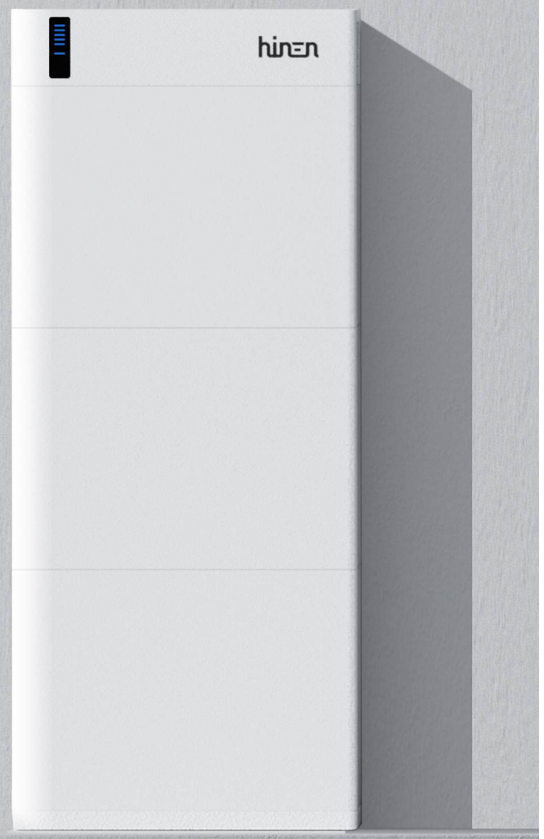
B8900M-HAW

8.9kWh High-voltage Battery Module

Enhanced Larger Capacity

Battery Parallel Function

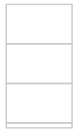


- Battery parallel function, up to 6 clusters per inverter(8.9-160kWh)
- Stackable integrated design.plug & play, no additional cable
- Up to 52A charge &discharge(continuous), faster than you've ever expected
- Built-in heating function-working conditions -20°C
- Automotive-Grade AFE chip, experience ultra accuracy for optimal system performance
- Top-tier Safety,5-layer Battery Protection:
  ①Full coverage temperature detection
  ②BMS intelligent control, over-temp..over-current, over-voltage protection
  ③Built-in DC breaker
  ④Internal aerosol fire extinguisher
  ⑤Decompression valve
- Visible energy tracking & remote upgrade on Hinen APP

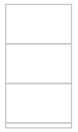
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A better world powered by you

Technical Specification

Model	B8900M-HAW	B8900M-HBW	B8900M-HCW
			
Product name	Rechargeable Li-ion Battery System		
Number of battery modules	1 module	2 module	3 module
BMS control unit model	B8900M-HP		
System Data			
Rated capacity *(Kwh)	8.985	17.971	26.956
Depth of Discharge (DOD)	90%		
Available energy*(KWh)	8.087	16.173	24.260
Battery module	172.8V,52Ah,8.985KWh		
Capacity expansion	1~3 modules connected per cluster,with up to 6 clusters connected in parallel		
maximu m battery expansion capacity	160.2kWh		
Cell type	LFP(LIFEPO4)		
Cycle life*	8000 cycles		
Battery configuration	54S1P	108S1P	162S1P
Rated voltage(VDC)	172.8	345.6	518.4
Operating voltage(VDC)	135~194.4	270~388.8	405~583.2
Maximum charge/ discharge current*	52A		
Maximum charge/ discharge power*(KWh)	8.985	17.971	26.956
Operating temperature	Charge:0°C＜T＜55°C/Discharge:-20＜T＜60°C		
Storage temperature and SOC	-20~45℃(≤3 Months)/0~35℃(≤1 Years)		
Running logs	4G-Byte		
Protection			
Overvoltage/ Undervoltage protection	Yes		
Overcurrent protection	Yes		

Technical Specification

Model	B8900M-HAW	B8900M-HBW	B8900M-HCW
			
Overtemperature/under-temperature protection	Yes		
DC circuit breaker	Yes		
Shutdown current	Yes		
General Data			
Communication	CAN		
Humidity	10% to 85% no condensing		
Operating Altitude	⩽3000m		
IP rating	IP65		
Cooling method	Natural convection		
Weight(KG)	101	185	269
Dimensions (without foot pad)(mm)	730*710*180	730*1220*180	730*1730*180
Dimensions (with foot pad)(mm)	730*754*180	730*1264*180	730*1774*180
Installation location	Indoor/Outdoor		
Installation method	Floor stand		
Certification	CB, CE, UKCA, LOA, SONCAP, 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		

Rated capacity *: Test conditions: 100% DOD, 0.33C charge and discharge at +25±2°C.
Available energy*: Test conditions: 90% DOD, 0.33C charge and discharge at +25±2°C.
Cycle life*: Test conditions: 90% DOD, 0.2C charge and 0.2C 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.