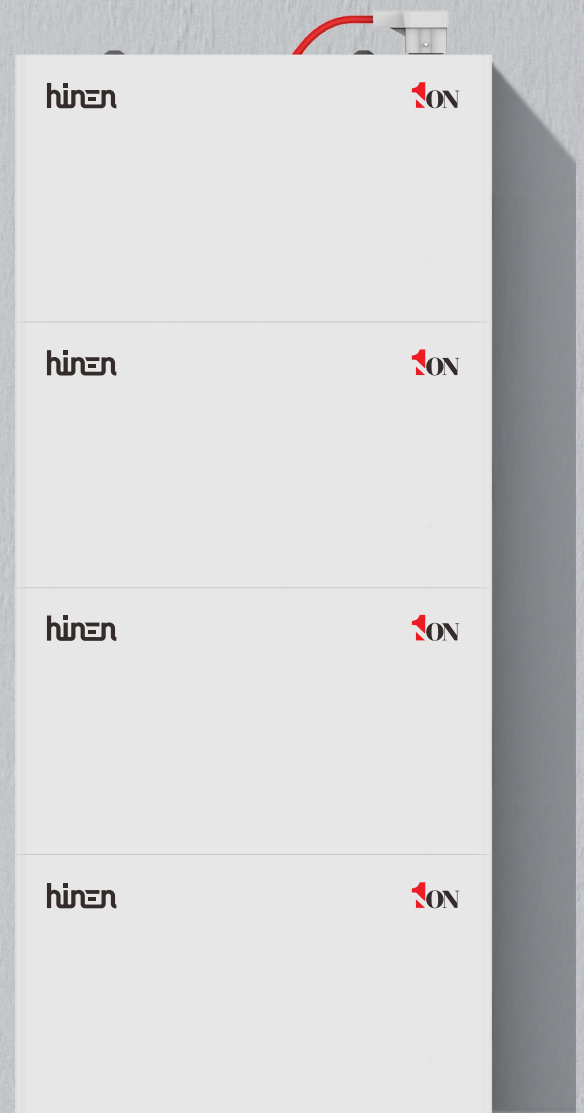


BP5000

5kWh Low-voltage Battery Module

- Stackable integrated design, plug & play, no additional cable
- Flexible capacity options, 5kWh to 120kWh (1-24 pcs)
- Automatic single battery fault isolation function, guarantees continuous system performance
- Fearlessly defying extreme temperatures, operating temperature $-20^{\circ}\text{C} \sim 60^{\circ}\text{C}$
- 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 physical short-circuit protection, protect the battery form short-circuit
 - ④ Internal aerosol fire extinguisher
 - ⑤ Decompression valve
- Visible energy tracking & remote upgrade on Hinen APP



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ION[®]
Inverters | Lithium Batteries

Technical Specification	BP5000 X1	BP5000 X2	BP5000 X3	BP5000 X4
Energy capacity*(kWh)	5.12	10.24	15.36	20.48
Battery type	LFP(LiFePO4)			
Number of modules	1	2	3	4
Battery configuration	16S1P	16S2P	16S3P	16S4P
Recommended (rated) charge method	Charge the battery with 100A constant current to the system protection voltage of 58.4V at an ambient temperature of 25°C			
Recommended (rated) discharge method	Discharge the battery with 100A constant current to the system protection voltage of 48V at an ambient temperature of 25°C.			
Cycle life*	6000 cycles			
Rated voltage(V)	51.2			
Operating Voltage Range(V)	48-58.4			
Depth of discharge(DOD)(%)	90			
Max continuous charge/discharge current(A)	100	120		
Communication	CAN/RS485			
Weight(kg)	45	90	135	180
Dimensions(W*H*D)(mm)	650*158*370	650*158*740	650*158*1110	650*158*1480
Operating temperature(°C)	Charge: 0°C < T < 55°C /Discharge: -20°C < T < 60°C			
Ingress protection rating	IP54			
Class of equipment Overvoltage category	Class I OVC II			
Installation type	Floor stand			
Warranty	5 Years			