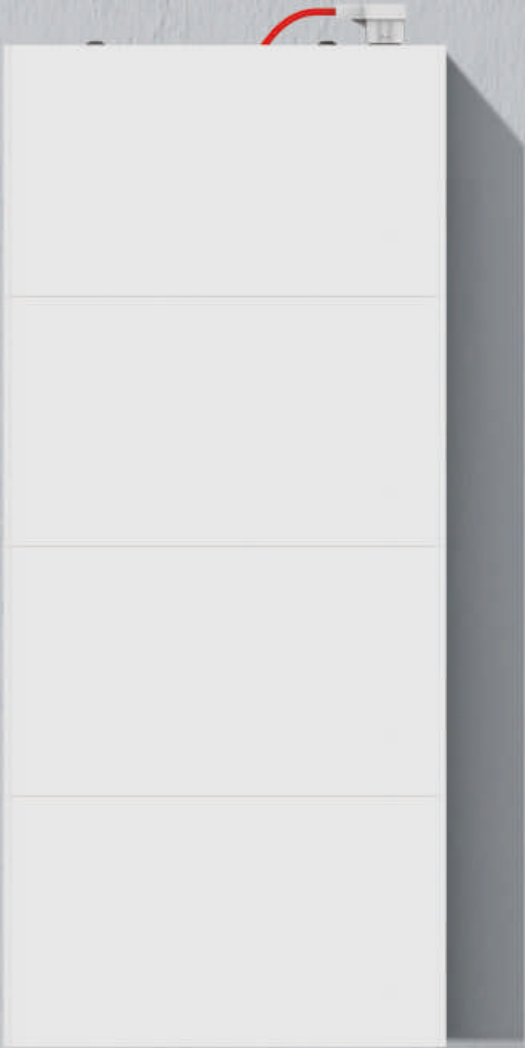


BP5000

5kWh Low-voltage Battery Module

- Stackable integrated design, plug & play, no additional cable
- Flexible capacity options, 5kWh to 20kWh (1-4 pcs)
- Automatic single battery fault isolation function, guarantees continuous system performance
- Fearlessly defying extreme temperatures, operating temperature -20°C~ 60°C
- Top-tier Safety, 5-layer Battery Protection:
 - ①Full coverage temperature Detection
 - ②BMS intelligent control, over-temp., over-current, over-voltage protection
 - ③Built-in physical short-circuit protection, protect the battery form short-circuit
 - ④Decompression valve(Exclusive to IP65 version)
- Visible energy tracking & remote upgrade on Hinen APP



Technical Specification

Model	BP5000 X1	BP5000 X2	BP5000 X3	BP5000 X4
				
Rated energy*(kWh)	5.12	10.24	15.36	20.48
Usable energy(kWh)	4.6	9.21	13.82	18.43
Battery type	LFP(LiFePO ₄)			
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 systemprotection voltage of 58.4V at an ambient temperature of 25°C			
Recommended (rated) discharge method	Discharge the battery with 100A constant current to the systemprotection 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			
Peak current	150A 90S at 25°C			
Depth of discharge(DOD)(%)	90	90	90	90
Max continuous charge/ discharge current*(A)	100	120	120	120
Rated power*(kW)	5.12	6.14	6.14	6.14
Run log recording	32MB			
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 < T < 55/Discharge: -20 < T < 60			
Storage temperature(°C)	-20~45(≤1 Months)/ 0~35(≤6 Months)			
Relative humidity(%)	≤10-85			
Altitude(m)	2000			
Ingress protection rating	IP54(Indoor) / IP65(Outdoor)			
Class of equipment Overvoltage category	Class I OVC II			
Installation type	Floor stand			
Warranty*	5 Years			

Rated Energy*: Test conditions: 25°C,100% DOD,0.33C charge & discharge.
Cycle life*: Test conditions: 25°C, 90%DOD, 0.2C charge & 0.2C discharge.
Warranty*: Refer to the product warranty terms for details