

B5000-W

5kWh Low-voltage Battery

- 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
- IP65 Rated, unfazed by harsh environments
- Future-proof scalability, 5-50kWh expandable to meet your needs
- Unlock Greater Efficiency with 1C Charge & Discharge Rate
- Visible energy tracking & remote upgrade on Hinen APP
- Fearlessly defying extreme temperatures, optional battery heating function, ensuring worry-free charging and discharging even at -20°C



Technical Specification

Model	B5000-W	B5000-W x2	B5000-W x3	B5000-W x4
Product name(kWh)	Rechargeable Li-ion Battery Pack (5.12)	Rechargeable Li-ion Battery Pack (10.24)	Rechargeable Li-ion Battery Pack (15.36)	Rechargeable Li-ion Battery Pack (20.48)
Rated Energy*(kWh)	5.12	10.24	15.36	20.48
Usable capacity(kWh)	4.6	9.21	13.82	18.43
Battery type	LFP(LiFePO ₄)			
Battery configuration	16S1P	16S2P	16S3P	16S4P
Maximum modules in parallel	10			
Cycle life*	8000 cycles			
Rated voltage(V)	51.2			
Operating voltage range(V)	48~58			
Peak current	120A 60s			
Depth of Discharge (DOD)(%)	90			
Max. continuous charge / discharge current(A)	100			
Rated power(kW)	5.12			
Short-Circuit Current	800A@0.1ms			
Run Log Recording	32MB			
Communication	CAN			
Weight(kg)	51.8(±3)	103.6(±3)	155.4	207
Dimensions (W*H*D)(mm)	579*500*175	579*1000*175	579*1500*175	(579*1000*175) x2
Operating temperature(°C)	Charge / Discharge: -20<T<55			
Storage temperature(°C)	-20~40 (≤ One month) / 0~35 (≤ One year)			
Humidity(%)	≤ 10~85			
Altitude(m)	≤ 2000			
Ingress protection rating	IP65			
Installation type	Wall-mounted / Floor stand			
Warranty*	10 Years			

Rated Energy*: Test conditions, Fresh battery, 0.33C charge & discharge at +25°C.

Cycle life*: Test conditions, 90%DOD, 0.2C charge & discharge at +25°C.

Warranty*: Refer to the product warranty terms for details

Technical Specification

Model	B5000-W x5	B5000-W x6	B5000-W x7	B5000-W x8
Product name(kWh)	Rechargeable Li-ion Battery Pack (25.6)	Rechargeable Li-ion Battery Pack (30.72)	Rechargeable Li-ion Battery Pack (35.84)	Rechargeable Li-ion Battery Pack (40.96)
Rated Energy*(15.36kWh)	25.6	30.72	35.84	40.96
Usable capacity(15.36kWh)	23.04	27.64	32.26	36.86
Battery type	LFP(LiFePO ₄)			
Battery configuration	16S5P	16S6P	16S7P	16S8P
Maximum modules in parallel	10			
Cycle life*	8000 cycles			
Rated voltage(V)	51.2			
Operating voltage range(V)	48~58			
Peak current	120A 60S			
Depth of Discharge (DOD)(%)	90			
Max. continuous charge / discharge current(A)	100			
Rated power(kW)	5.12			
Short-Circuit Current	800A@0.1mS			
Run Log Recording	32MB			
Communication	CAN			
Weight(kg)	259	310.8	362.6(±3)	414.4(±3)
Dimensions (W*H*D)(mm)	579*1500*175 579*1000*175	(579*1500*175) x2	579*2000*175 579*1500*175	(579*2000*175) x2
Operating temperature(°C)	Charge / Discharge: -20<T<55			
Storage temperature(°C)	-20~40 (≤ One month) / 0~35 (≤ One year)			
Humidity(%)	≤ 10~85			
Altitude(m)	≤ 2000			
Ingress protection rating	IP65			
Installation type	Wall-mounted / Floor stand			
Warranty*	10 Years			

Rated Energy*: Test conditions, Fresh battery, 0.33C charge & discharge at +25°C.

Cycle life*: Test conditions, 90%DOD, 0.2C charge & discharge at +25°C.

Warranty*: Refer to the product warranty terms for details

Technical Specification

Model	B5000-W x9	B5000-W x10
Product name(kWh)	Rechargeable Li-ion Battery Pack (46.08)	Rechargeable Li-ion Battery Pack (51.2)
Rated Energy*(kWh)	46.08	51.2
Usable capacity(kWh)	41.47	46.08
Battery type	LFP(LiFePO ₄)	
Battery configuration	16S9P	16S10P
Maximum modules in parallel	10	
Cycle life*	8000 cycles	
Rated voltage(V)	51.2	
Operating voltage range(V)	48~58	
Peak current	120A 60S	
Depth of Discharge (DOD)(%)	90	
Max. continuous charge / discharge current(A)	100	
Rated power(kW)	5.12	
Short-Circuit Current	800A@0.1mS	
Run Log Recording	32MB	
Communication	CAN	
Weight(kg)	466.2(±3)	518(±3)
Dimensions (W*H*D)(mm)	579*2500*175 579*2000*175	(579*2500*175) x2
Operating temperature(°C)	Charge / Discharge: -20<T<55	
Storage temperature(°C)	-20~40 (≤ One month) / 0~35 (≤ One year)	
Humidity(%)	≤ 10~85	
Altitude(m)	≤ 2000	
Ingress protection rating	IP65	
Installation type	Wall-mounted / Floor stand	
Warranty*	10 Years	

Rated Energy*: Test conditions, Fresh battery, 0.33C charge & discharge at +25°C.

Cycle life*: Test conditions, 90%DOD, 0.2C charge & discharge at +25°C.

Warranty*: Refer to the product warranty terms for details