

# B5000

## 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 from 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
- Visible energy tracking & remote upgrade on Hinen APP
- Fearlessly defying extreme temperatures, operating temperature -20°C~55°C



## Technical Specification

Model	B5000 x1	B5000 x2
Product name(kWh)	Rechargeable Li-ion Battery Pack (5.12)	Rechargeable Li-ion Battery Pack (10.24)
Rated Energy*(kWh)	5.12	10.24
Usable capacity(kWh)	4.6	9.21
Battery type	LFP(LiFePO4)	
Battery configuration	16S1P	16S2P
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	90
Max. continuous charge / discharge current(A)	100	120
Rated power(kW)	5.12	6.14
Short-Circuit Current	800A@0.1ms	
Run Log Recording	32MB	
Communication	CAN	
Weight(kg)	51.4	102.8
Dimensions (W*H*D)(mm)	534*500*175	
Operating temperature(°C)	Charge: 0 < T < 55 / 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 x3	B5000 x4
Product name(kWh)	Rechargeable Li-ion Battery Pack (15.36)	Rechargeable Li-ion Battery Pack (20.48)
Rated Energy*(15.36kWh)	15.36	20.48
Usable capacity(15.36kWh)	13.82	18.43
Battery type	LFP(LiFePO <sub>4</sub> )	
Battery configuration	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	90
Max. continuous charge / discharge current(A)	120	120
Rated power(kW)	6.14	6.14
Short-Circuit Current	800A@0.1mS	
Run Log Recording	32MB	
Communication	CAN	
Weight(kg)	154.2	205.6
Dimensions (W*H*D)(mm)	534*500*175	
Operating temperature(°C)	Charge: 0 < T < 55 / 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 x5	B5000 x6
Product name(kWh)	Rechargeable Li-ion Battery Pack (25.6)	Rechargeable Li-ion Battery Pack (30.72)
Rated Energy*(kWh)	25.6	30.72
Usable capacity(kWh)	23.04	27.64
Battery type	LFP(LiFePO <sub>4</sub> )	
Battery configuration	16S5P	16S6P
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	90
Max. continuous charge / discharge current(A)	120	120
Rated power(kW)	6.14	6.14
Short-Circuit Current	800A@0.1ms	
Run Log Recording	32MB	
Communication	CAN	
Weight(kg)	257	308.4
Dimensions (W*H*D)(mm)	534*500*175	
Operating temperature(°C)	Charge: 0 < T < 55 / 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 x7	B5000 x8
Product name(kWh)	Rechargeable Li-ion Battery Pack (35.84)	Rechargeable Li-ion Battery Pack (40.96)
Rated Energy*(15.36kWh)	35.84	40.96
Usable capacity(15.36kWh)	32.25	36.86
Battery type	LFP(LiFePO <sub>4</sub> )	
Battery configuration	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	90
Max. continuous charge / discharge current(A)	120	120
Rated power(kW)	6.14	6.14
Short-Circuit Current	800A@0.1mS	
Run Log Recording	32MB	
Communication	CAN	
Weight(kg)	359.8	411.2
Dimensions (W*H*D)(mm)	534*500*175	
Operating temperature(°C)	Charge: 0 < T < 55 / 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 x9	B5000 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 <sub>4</sub> )	
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	90
Max. continuous charge / discharge current(A)	120	120
Rated power(kW)	6.14	6.14
Short-Circuit Current	800A@0.1ms	
Run Log Recording	32MB	
Communication	CAN	
Weight(kg)	462.6	514
Dimensions (W*H*D)(mm)	534*500*175	
Operating temperature(°C)	Charge: 0 < T < 55 / 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