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5000Wh BATTERY SYSTEM



Datasheet

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Technical parameters

Model	B5000				
Product name	Rechargeable Li-ion Battery Pack (5.12kWh)	Rechargeable Li-ion Battery Pack (10.24kWh)	Rechargeable Li-ion Battery Pack (15.36kWh)	Rechargeable Li-ion Battery Pack (20.48kWh)	Rechargeable Li-ion Battery Pack (25.6kWh)
Rated Energy ¹	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh
Usable capacity	4.6kWh	9.21kWh	13.82kWh	18.43kWh	23.04kWh
Battery type	LFP(LiFePO ₄)				
Number of modules	1	2	3	4	5
Battery configuration	16S1P	16S2P	16S3P	16S4P	16S5P
Cycle life ²	6000 cycles				
Rated voltage	51.2V				
Operating voltage range	40~57.6V				
Peak current	120A 60S				
Depth of Discharge (DOD)	90%	90%	90%	90%	90%
Max. continuous charge / discharge current	100A	120A	120A	120A	120A
Rated power	5.12KW	6.14KW	6.14KW	6.14KW	6.14KW
Short-Circuit Current	800A@0.1mS				
Run Log Recording	32M-byte				
Communication	CAN				
Weight	51.4KG	102.8KG	154.2KG	205.6KG	257KG
Dimensions (W*H*D)	534*500*175mm				
Operating temperature	Charge: 0°C < T < 55°C / Discharge: -20°C < T < 55°C				
Storage temperature	-20~40°C(≤One month)/0~35°C(≤One year)				
Humidity	≤10~85%				
Altitude	≤2000m				
Ingress protection rating	IP66				
Installation type	Wall-mounted/Floor stand				
Warranty ³	5 Years Warranty, 10 Years Performance Life				
Country of manufacture	Made in China				

Rated Energy¹: Test conditions: 80% DOD, 0.5C charge & discharge at +25±3°C.

Cycle life²: Test conditions, 80%DOD, 0.5C charge & 0.5C discharge at +25±3°C.

Warranty³: Refer to battery warranty letter for conditional application.

Model	B5000				
Product name	Rechargeable Li-ion Battery Pack (30.72kWh)	Rechargeable Li-ion Battery Pack (35.84kWh)	Rechargeable Li-ion Battery Pack (40.96kWh)	Rechargeable Li-ion Battery Pack (46.08kWh)	Rechargeable Li-ion Battery Pack (51.2kWh)
Rated Energy ¹	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.2kWh
Usable capacity	27.64kWh	32.25kWh	36.86kWh	41.47kWh	46.08kWh
Battery type	LFP(LiFePO ₄)				
Number of modules	6	7	8	9	10
Battery configuration	16S6P	16S7P	16S8P	16S9P	16S10P
Cycle life ²	6000 cycles				
Rated voltage	51.2V				
Operating voltage range	40~57.6V				
Peak current	120A 60S				
Depth of Discharge (DOD)	90%	90%	90%	90%	90%
Max. continuous charge / discharge current	120A	120A	120A	120A	120A
Rated power	6.14KW	6.14KW	6.14KW	6.14KW	6.14KW
Short-Circuit Current	800A@0.1mS				
Run Log Recording	32M-byte				
Communication	CAN				
Weight	308.4KG	359.8KG	411.2KG	462.6KG	514KG
Dimensions (W*H*D)	534*500*175mm				
Operating temperature	Charge: 0°C < T < 55°C / Discharge: -20°C < T < 55°C				
Storage temperature	-20~40°C(≤One month)/0~35°C(≤One year)				
Humidity	≤10~85%				
Altitude	≤2000m				
Ingress protection rating	IP66				
Installation type	Wall-mounted/Floor stand				
Warranty ³	5 Years Warranty, 10 Years Performance Life				
Country of manufacture	Made in China				

Rated Energy¹: Test conditions: 80% DOD, 0.5C charge & discharge at +25±3°C.

Cycle life²: Test conditions, 80%DOD, 0.5C charge & 0.5C discharge at +25±3°C.

Warranty³: Refer to battery warranty letter for conditional application.