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5000Wh BATTERY SYSTEM(AU) Datasheet



DC/AC ratio up to 190%



Ultra-quiet ≤ 25 dB



Max. MPPT current reaching 16A for a single PV string



EPS, Max. Back-up switch time ≤ 20 ms



The shell adopts integrated die-casting



Charge up to 120A(continuous) / discharge up to 120A(continuous)

Technical parameters

Standard Battery System

Rated Energy¹: Test conditions, Fresh battery, 0.33C charge & discharge at +25°C.

Cycle life²: Test conditions, 90%DOD, 0.2C charge & discharge at +25°C.

Warranty³: Refer to the product warranty terms for details.

Model	B5000	B5000x2	B5000x3	B5000x4	B5000x5	B5000x6	B5000x7	B5000x8	B5000x9	B5000x10
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)	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	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.2kWh
Usable capacity	4.6kWh	9.21kWh	13.82kWh	18.43kWh	23.04kWh	27.64kWh	32.26kWh	36.86kWh	41.47kWh	46.08kWh
Battery type	LFP(LiFePO ₄)									
Battery configuration	16S1P	16S2P	16S3P	16S4P	16S5P	16S6P	16S7P	16S8P	16S9P	16S10P
Maximum modules in parallel	10									
Cycle life ²	8000 cycles									
Rated voltage	51.2 V									
Operating voltage range	48-58V									
Peak current	120A 60S									
Depth of Discharge (DOD)	90%									
Max. continuous charge / discharge current	100A									
Rated power	5.12KW									
Short-Circuit Current	800A@0.1mS									
Run Log Recording	32M-byte									
Communication	CAN									
Weight	51.8KG (±3KG)	103.6KG (±3KG)	155.4KG (±3KG)	207KG (±3KG)	259KG (±3KG)	310.8KG (±3KG)	362.6KG (±3KG)	414.4KG (±3KG)	466.2KG (±3KG)	518KG (±3KG)
Dimensions (W*H*D)	579*500*175mm	579*1000*175mm	579*1500*175mm	(579*1000*175mm) x2	579*1500*175mm 579*1000*175mm	(579*1500*175mm) x2	579*2000*175mm 579*1500*175mm	(579*2000*175mm) x2	579*2500*175mm 579*2000*175mm	(579*2500*175mm) x2
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	IP65									
Installation type	Wall-mounted / Floor stand									
Warranty ³	10 Years Warranty, 10 Years Performance Life									
Country of manufacture	Made in China									

Battery System with Heating Function

Rated Energy¹: Test conditions, Fresh battery, 0.33C charge & discharge at +25°C.

Cycle life²: Test conditions, 90%DOD, 0.2C charge & discharge at +25°C.

Warranty³: Refer to the product warranty terms for details.

Model	B5000-W	B5000-Wx2	B5000-Wx3	B5000-Wx4	B5000-Wx5	B5000-Wx6	B5000-Wx7	B5000-Wx8	B5000-Wx9	B5000-Wx10
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)	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	5.12kWh	10.24kWh	15.36kWh	20.48kWh	25.6kWh	30.72kWh	35.84kWh	40.96kWh	46.08kWh	51.2kWh
Usable capacity	4.6kWh	9.21kWh	13.82kWh	18.43kWh	23.04kWh	27.64kWh	32.26kWh	36.86kWh	41.47kWh	46.08kWh
Battery type	LFP(LiFePO ₄)									
Battery configuration	16S1P	16S2P	16S3P	16S4P	16S5P	16S6P	16S7P	16S8P	16S9P	16S10P
Maximum modules in parallel	10									
Cycle life ²	8000 cycles									
Rated voltage	51.2 V									
Operating voltage range	48-58V									
Peak current	120A 60S									
Depth of Discharge (DOD)	90%									
Max. continuous charge / discharge current	100A									
Rated power	5.12KW									
Short-Circuit Current	800A@0.1mS									
Run Log Recording	32M-byte									
Communication	CAN									
Weight	51.8KG (±3KG)	103.6KG (±3KG)	155.4KG (±3KG)	207KG (±3KG)	259KG (±3KG)	310.8KG (±3KG)	362.6KG (±3KG)	414.4KG (±3KG)	466.2KG (±3KG)	518KG (±3KG)
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Operating temperature	Charge / Discharge: -20°C<T<55°C									
Storage temperature	-20~40°C (≤ One month) / 0~35°C (≤ One year)									
Humidity	≤ 10~85%									
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