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# 5000Wh BATTERY SYSTEM(AU) Datasheet



DC/AC ratio up to 190%



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



The shell adopts integrated die-casting



Ultra-quiet  $\leq 25$ dB



EPS, Max. Back-up switch time  $\leq 20$ ms



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

## Technical parameters

Model	B5000 x1	B5000 x2	B5000 x3	B5000 x4
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)
Rated Energy <sup>1</sup>	5.12kWh	10.24kWh	15.36kWh	20.48kWh
Usable capacity	4.6kWh	9.21kWh	13.82kWh	18.43kWh
Battery type	LFP(LiFePO <sub>4</sub> )			
Battery configuration	16S1P	16S2P	16S3P	16S4P
Maximum modules in parallel	4			
Cycle life <sup>2</sup>	8000 cycles			
Rated voltage	51.2 V			
Operating voltage range	40~57.6 V			
Peak current	120A 60S			
Depth of Discharge (DOD)	90%	90%	90%	90%
Max. continuous charge / discharge current	100A	120A	120A	120A
Rated power	5.12KW	6.14KW	6.14KW	6.14KW
Short-Circuit Current	800A@0.1mS			
Run Log Recording	32M-byte			
Communication	CAN			
Weight	51.8KG	103.6KG	155.4KG	207KG
Dimensions (W*H*D)	579*500*175mm	579*1000*175mm	579*1500*175mm	(579*1000*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 <sup>3</sup>	10 Years Warranty, 10 Years Performance Life			
Country of manufacture	Made in China			

Rated Energy<sup>1</sup>: Test conditions, Fresh battery, 0.33C charge & discharge at +25°C.

Cycle life<sup>2</sup>: Test conditions, 90%DOD, 0.2C charge & discharge at +25°C.

Warranty<sup>3</sup>: Refer to battery warranty letter for conditional application.

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