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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                                       |
| Cycle life <sup>2</sup>                    | 4000 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>                      | 5 Years Warranty, 10 Years Performance Life          |   |   |   |
| Country of manufacture                     | Made in China  |   |   |   |

Rated Energy<sup>1</sup>: Test conditions: 100% DOD, 0.5C charge & discharge at +25±3°C.

Cycle life<sup>2</sup>: Test conditions, 90%DOD, 0.5C charge & 1C discharge at +25±3°C.

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



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