




# BATTERY SMILE5-BAT



| Model                       | SMILE5-BAT  |
|-----------------------------|---|
| <b>Physical</b>             |   |
| Battery Type                | LFP (LiFePO4)   |
| Cell Manufacturer           |  EVE<br>ENERGY VERY ENDURE |
| System Weight               | 65 kg   |
| Dimension (W x D x H)       | 600 x 250 x 600 mm  |
| IP Protection               | IP21 (Indoor) / IP65 (outdoor)  |
| Warranty                    | 10 Year Battery Warranty  |
| <b>Electrical</b>           |   |
| Energy Capacity             | 5.7 kWh   |
| Usable Capacity             | 5.5 kWh   |
| Depth of Discharge (DoD)    | 96%   |
| Nominal Voltage             | 51.2 V  |
| Operating Voltage Range     | 48 ~ 57.6 V   |
| Internal Resistance         | ≤ 30 mΩ   |
| Cycle Life                  | 10 000*   |
| <b>Operation</b>            |   |
| Max. Charging Current       | 56 A (0.5C)   |
| Max. Discharging Current    | 56 A (0.5C)   |
| Max. Short-circuit Current  | 200 A   |
| Operating Temperature Range | -10 °C ~ 50 °C**  |
| Humidity                    | 15% ~ 85%   |
| <b>BMS</b>                  |   |
| Modules Connection          | 1 ~ 6 in parallel   |
| Capacity                    | 5.7 / 11.5 / 17.2 / 22.9 / 28.7 / 34.4 kWh  |
| Usable Capacity             | 5.5 / 11.0 / 16.5 / 22.0 / 27.5 / 33.0 kWh  |
| Monitoring Parameters       | System voltage, current, cell voltage, cell temperature, PCBA temperature                                   |
| Communication               | CAN and RS-485 compatible   |
| <b>Certification</b>        |   |
| Transportation              | UN38.3  |
| Safety                      | IEC 62619 (Cell), IEC 62619 (Pack)  |

\*Under specific test conditions

\*\*When the temperature is below 0 °C or above 40 °C, the performance will be limited.



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