


BATTERY M4856-P



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|------------------------------------|---|
| Model | M4856-P |
| Physical | |
| Battery Type | LFP (LiFePO4) |
| Cell Manufacturer |  |
| System Weight | 42 kg |
| Dimension (W x D x H) | 610 x 236 x 303 mm |
| IP Protection | IP21 (Indoor) / IP65 (outdoor) |
| Warranty | 10 Year Battery Warranty |
| Electrical | |
| Energy Capacity | 2.9 kWh |
| Usable Capacity | 2.8 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* |
| Operation | |
| Max. Charging Current | 56 A (1C) |
| Max. Discharging Current | 56 A (1C) |
| Max. Short-circuit Current | 200 A |
| Operating Temperature Range | -10 °C ~ 50 °C**, 0 °C ~ 40 °C (1C) |
| Humidity | 15% ~ 85% |
| BMS | |
| Modules Connection | 1 ~ 6 in parallel |
| Capacity | 2.9 / 5.8 / 8.6 / 11.5 / 14.4 / 17.2 kWh |
| Usable Capacity | 2.8 / 5.5 / 8.3 / 11.0 / 13.8 / 16.5 kWh |
| Power Consumption | < 2 W (Work), < 100 mW (Sleep) |
| Monitoring Parameters | System voltage, current, cell voltage, cell temperature, PCBA temperature measurement |
| Communication | CAN and RS-485 compatible |
| Certification | |
| 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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