

# LITHIUM BATTERY

## ELITE 48V/112AE Parallel Battery Series

Large Capacity Battery System Designed For PV Residential Application



Plug & Play



Safety



Modular



Long Lifespan



### BMS

|                       |                                                                            |
|-----------------------|----------------------------------------------------------------------------|
| Power Consumption     | <2 W (Work) <100 mW (Sleep)                                                |
| Monitoring Parameters | System voltage, current, cell voltage, cell temperature, PCBA temperature. |
| SOC                   | Intelligent algorithm                                                      |
| Communication         | CAN and RS-485 compatible                                                  |

### System Configuration

|                 |                                  |
|-----------------|----------------------------------|
| Module Parallel | 1-6 Parallels                    |
| Capacity Range  | 5.4/10.8/16.1/21.5/26.9/32.3 kWh |

### Operation

|                                        |                           |
|----------------------------------------|---------------------------|
| Max. Charge Current                    | 56 A (0.5C)               |
| Max. Discharge Current                 | 56 A (0.5C)               |
| Operating Temperature Range            | -10 °C ~ 50 °C            |
| Transport Or Storage Temperature Range | -20 °C ~ 45 °C            |
| Humidity                               | 15% ~ 85% (No Condensing) |

### Cabinet

|                       |                         |
|-----------------------|-------------------------|
| Dimension (W x D x H) | 600 x 600 x 990/1390 mm |
| Max. Modules          | 4/6                     |
| Color                 | Black                   |
| Protection Level      | IP20                    |

\* When the temperature is below 0°C, batteries are not allowed to be charges, and they will derate power output when it is above 40°C.

### Physical

|                       |                           |
|-----------------------|---------------------------|
| Model                 | ELITE 48V/112 AEP         |
| Battery Type          | LiFePO <sub>4</sub> (LFP) |
| Battery Manufacturer  | <b>EVE</b>                |
| System Weight         | 63 kg                     |
| Dimension (W x D x H) | 482 x 580 x 158 mm        |
| Protection Level      | IP20                      |

### Electrical

|                         |           |
|-------------------------|-----------|
| Installed Capacity      | 5.4 kWh   |
| Usable Capacity         | 4.8 kWh   |
| DOD                     | 90%       |
| Nominal Voltage         | 48 V      |
| Operation Voltage Range | 46 - 54 V |
| Internal Resistance     | ≤30 mΩ    |
| Cycle Life              | ≥6000     |

### Warranty

|                      |          |
|----------------------|----------|
| Product Warranty     | 5 Years  |
| Performance Warranty | 10 Years |



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Authorized Dealer

