



## 01 SPECIFICATIONS

| E100 51.2V 5.12kWh                        |                          | Voltage   |             |
|---|--------------------------|---|-------------|
| Model                                     | E100                     | Nominal   | 51.2 V      |
| Battery type                              | LiFePO <sub>4</sub>      | Float charge                                    | 54.5 V      |
| Battery capacity                          | 100 Ah                   | Absorption charge                               | 55.5 V      |
| Power capacity                            | 5.12 kWh                 | Cut-off   | 48.0 V      |
| Current                                   |                          |   |             |
| Max continuous charge / discharge current |                          | 100 A / 100 A                                   |             |
| Peak current (1sec)                       |                          | 110A / 150 A                                    |             |
| Weight and Dimensions                     |                          | Temperature                                     |             |
| Dimensions [D x W x H, mm] Rack mounted   | 480 mm x 442 mm x 155 mm | Charging  | 0 – 45 °C   |
| Battery weight                            | 43 kg                    | Discharging                                     | -10 – 45 °C |
| Other                                     |                          |   |             |
| Enclosure protection                      |                          | IP20  |             |
| Access interface                          |                          | CAN Bus / RS485                                 |             |
| Compatible inverters                      |                          | All leading inverter brands                     |             |
| Storage conditions                        |                          | 15–30 °C at Min 50% SoC (charge every 6 months) |             |
| Warranted cycles                          |                          | 6000 cycles At 80% DoD                          |             |
| Warranted calendar life                   |                          | 10 Years  |             |





## 02 BUILT FOR YOUR HOME — AND BUILT TO LAST.

### Smart 16-Cell Design:

Delivers the ideal voltage range for most home and small-business inverters.

### Safe LiFePO4 Technology:

One of the safest and most reliable battery types for long-term energy storage.

Universal Compatibility: Works seamlessly with a wide range of inverter brands using CAN or RS485 communication.

### Trusted PACE BMS:

An industry-proven Battery Management System that ensures safety and performance.

### Easy Monitoring:

A built-in LCD screen lets you view battery performance and settings at a glance.

### African-Tough:

Designed to handle high temperatures, humidity, and altitude — perfect for local conditions.

## 03 KEY FEATURES

- Thin Rack Mount Profile (3U Profile)
- 1C Continuous Discharge, Peaking at 1.5C
- No Depth of Discharge (DoD) enforcement. 100% usage of the battery is both warranted and permitted
- Utilises cells that pass GB/T 36276 tests; this battery has been built high quality cells
- Rated for over 18 MWh of warranted throughput over 10 years
- Maintains support with a number of 3rd party trusted devices including SolarAssistant, AXPI and ESP-BMS

The E100 will be backwards compatible, allowing hassle free expansion of R100 and B100 sites.

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