



01 SPECIFICATIONS

E100 51.2V 5.12kWh

Model	E100
Battery type	LiFePO ₄
Battery capacity	100 Ah
Power capacity	5.12 kWh

Voltage

Nominal	51.2 V
Float charge	54.5 V
Absorption charge	55.5 V
Cut-off	48.0 V

Current

Max continuous charge / discharge current	100 A / 100 A
Peak current (1sec)	110A / 150 A

Weight and Dimensions

Dimensions [D x W x H, mm] Rack mounted	480 mm x 482 mm x 133 mm
Battery weight	45 kg

Temperature

Charging	0 – 45 °C
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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