



01 SPECIFICATIONS

E300 51.2V 16.0kWh		Voltage	
Model	E300	Nominal	51.2V
Battery type	LiFePO ₄	Float charge	54.5V
Battery capacity	314 Ah	Absorption charge	55.5V
Power capacity	16.0kWh	Cut-off	48.0V
Current			
Max continuous charge / discharge current	150A / 250A		
Peak current (1sec)	160A / 300A		
Weight and Dimensions		Temperature	
Dimensions [D x W x H, mm] Rack mounted	730 mm x 442 mm x 235 mm	Charging	0 – 45 °C
Battery weight	108 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

- Rugged Rack Mount Design
- 250A DC discharge, equating to 12kVA inverter support
- No Depth of Discharge (DoD) enforcement. 100% usage of battery is both warranted and permitted
- Rated for over 60 MWh of warranted throughput over 10 years
- Maintains support with a number of 3rd party trusted devices including SolarAssistant, AXPI and ESP-BMS

The E300 will be backwards compatible, allowing expansion of R200 and B220 sites.

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