

Hearth Residential ESS (16kWh, Floor-Standing)

Residential Battery Energy Storage System



Specifications

Model	ZT-REES-LV-FS-16k-G1
Battery Type	LFP
Cell Capacity	314 Ah
Capacity	16 kWh
Nominal Voltage	51.2 V
Max. Charge Current	120 A
Max. Discharge Current	120 A
Peak Current	205 A
Communication	RS485 / CAN
Dimensions	550 × 860 × 175mm
Weight	140 kg
Operating Temperature	Charge: 0 to 55 °C Discharge: -20 to 55 °C
Storage Temperature	5 to 35°C
Relative Humidity	5–95%
Max. Operating Altitude	< 3000 m
Cooling Method	Natural Convection
Protection Rating	IP65

Installation Method	Floor-standing
Cycle Life	≥8000 cycles @ 80% DoD
Expansion	Fast expansion with 2 parallel units Up to 16 units with DC combiner
Certifications	IEC 61000-6-1 IEC 61000-6-3 CE-EMC UN38.3 MSDS