

Hearth Low-Voltage Residential ESS(16kWh)

For Flexible Microinverter Systems



Model

ZT-REES-LV-FS-16k-G1

ZT-REES-LV-FS-16k-G2

Floor-standing



High-Capacity LV ESS

16 kWh Single-Pack Capacity
314Ah LFP Cells



High-Density LFP Battery

314Ah Large-Cell Design
6000 Cycles at 80% DOD



High Power Capability

120A Continuous Current
205A Peak Discharge



Compact Installation Design

16 kWh Single-Pack · Floor-Standing
Compact Footprint · IP65 Rated



Retrofit-Friendly Integration

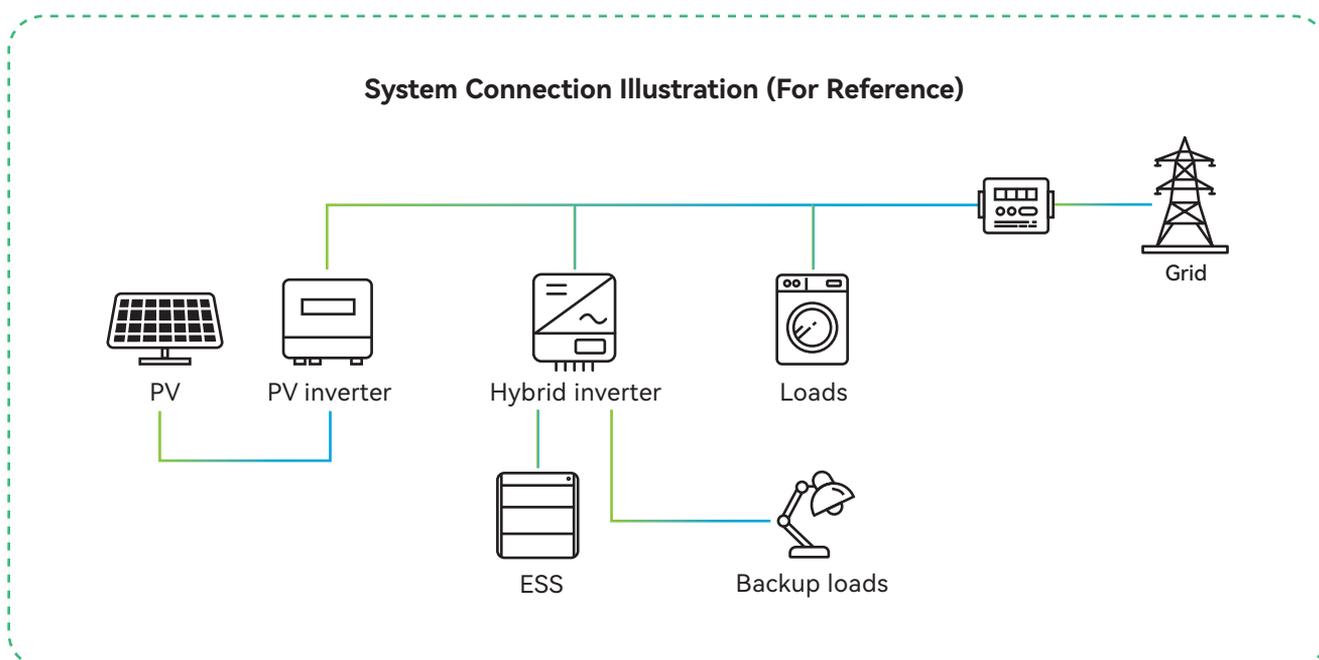
RS485 / CAN Communication
Microinverter & PV Inverter Support



Wide Environmental Adaptability

Natural Convection Cooling
Operating Temperature: -20°C to 55°C

Model	ZT-REES-LV-FS-16k-G1	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	≥6000 cycles @ 80% DOD	
Expansion	Fast expansion with 2 parallel units Up to 16 units with DC combiner	



All specifications are for reference only. Dimensions and weight are approximate and subject to change as product design is finalized.