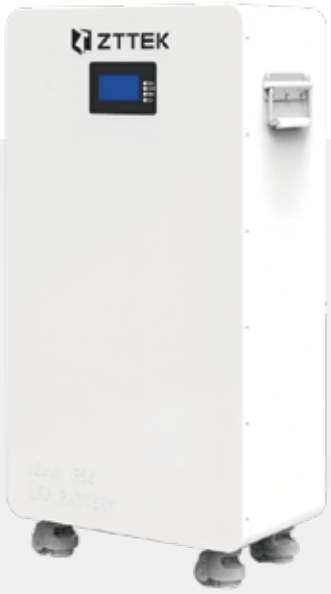
ZTTEK

Hearth
Low-Voltage Home ESS(16kWh)

Residential Energy Storage System



Model

ZT-RESS-LV-FS-16K-G3

Intelligent BMS

High-Density LFP Battery,
8000 Cycles @80% DOD

Scalable, Up to 32 Batteries
Parallel Connection

8kW High-Output
for High-Efficiency Demand

Clean Energy Solution

Built-in Display for
SOC Check & Parameter Setup

Model	ZT-RESS-LV-FS-16K-G3
Battery Type	LFP
Cell Capacity	314 Ah
Capacity	16 kWh
Nominal Voltage	51.2 V
Max. Charge Current	157 A
Max. Discharge Current	157 A
Peak Current	200 A / 10S
Communication	CAN / RS485
Dimensions	467 × 260 × 870 mm
Weight	116 ± 5 kg
Operating Temperature	Charge: 0 ~ 55 ℃ Discharge: −20 ~ 55 ℃
Storage Temperature	0 ~ 25℃（Storage life: 10−12 months） -5 ~ 35℃（Storage life: 2−3 months）
Relative Humidity	85±25%
Max. Operating Altitude	4000 m，Power derating required above 2000 m
Cooling Method	Natural Convection
Protection Rating	IP21
Installation Method	Stackable
Cycle Life	≥8000 cycles @ 80% DOD
Expansion	Up to 32 modules per string

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

Zhitai Runhe New Energy (Suzhou) Co., Ltd.

Suzhou, Jiangsu Province, China sales@zttek.tech http://zttek.tech