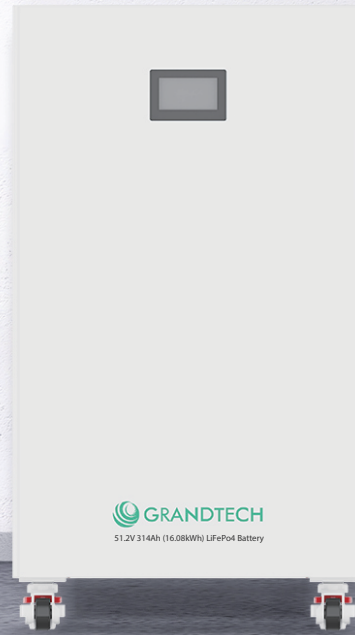


16.08kWh



As a leading vertically integrated manufacturer of lithium iron phosphate battery systems, the company has provided various battery solutions for nearly all kinds of ESS applications. Thanks to self-developed core technology in cells, BMS, and system design, it has delivered products to more than 138 countries serving over 100,000 users.

✓ Long life and safety

Vertical industry integration ensures more than 6500 cycles with 80% DoD.
Safe Lithium iron phosphate battery cell.

✓ Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

✓ Modularization

Modular design gives the end customers the power of choice of capacity Deliver up to 257.28KWh with single max module (16.08KWh) at 16pcs parallel connection.

✓ Easy to install and use

Just plug and play to minimize the installation time and cost. Compact and fashionable design fits in your sweet home environment.

✓ Compatibility

Compatible with most of the available Hybrid inverters.

✓ Safety Cert

CE IEC62619, CE, UN38.3, MSDS

Battery Specifications

Model GTF51314-16K-01

Nominal Parameters

Battery Chemistry LiFePO4

Voltage 51.2V

Capacity 314Ah

Energy 16.08kWh

Dimension (W/H/D) 550*982*280mm / 21.6*38.6*11.0 in

Weight Approximate 135kgs / 298 lbs

Basic Parameters

Warranty Period 5 years

Cycle Life
(25±2°C, 0.5C/0.5C, 80%EOL) ≥6500

Storage Time / Temperature 5 months @ 25°C; 3 months @ 35°C; 1 month @ 45°C

Operation Temperature -20°C to 60°C @ 60+/-25% Relative Humidity

Storage Temperature 0°C to 45°C @ 60+/-25% Relative Humidity

Certification CE, UN38.3, MSDS, By Sea

IP Rating of Enclosur IP20

Electrical Parameters

Operation Voltage 46-56Vdc

Max. Charging Voltage 56Vdc

Max. Charging Current 150A

Max. Discharging Current 150A