



LVTS-512314-G4

LVTOPSUN New Generation Energy Storage System

Meet LVTOPSUN – Your Unstoppable Power!

16 $\frac{51.2V \ 314Ah}{kWh}$



Basic Parameters

Model

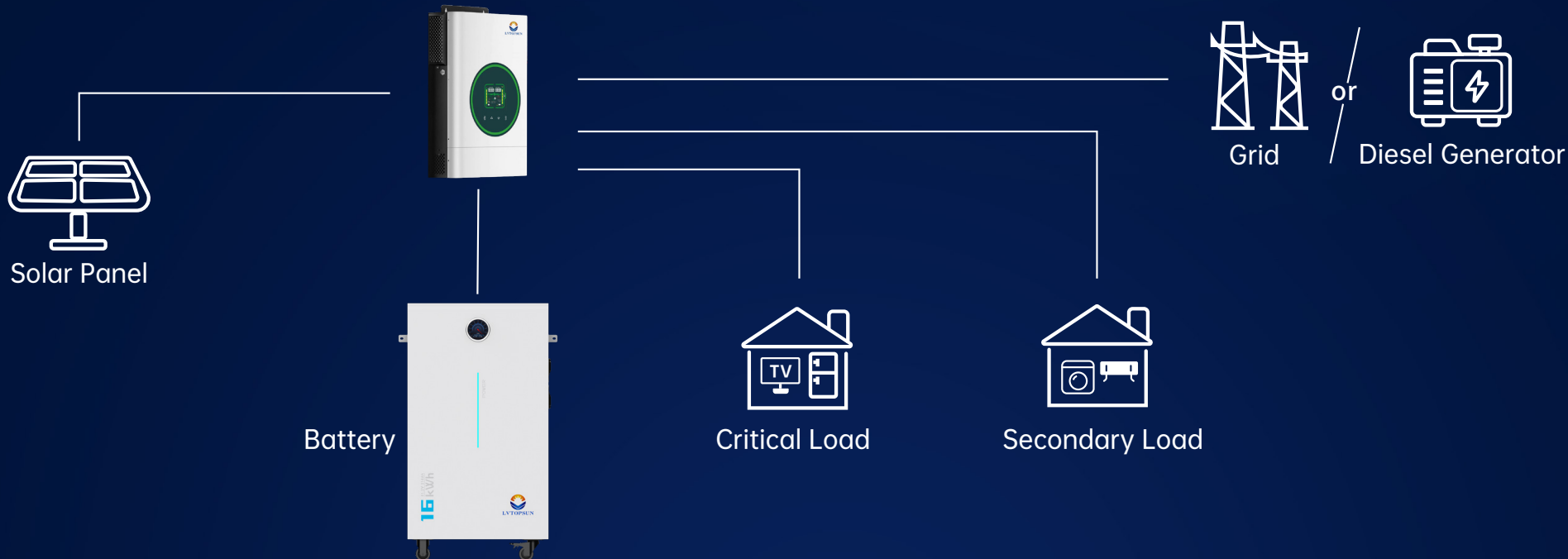
LVTS-512314-G4

Nominal Voltage	51.2 Vdc	Dimension (WxDxH mm)	480x235x874 mm
Nominal Capacity	314 Ah	Weight (Kg)	120 kg
Battery Energy	16.07 kWh	Installation	Floor stand
Charge Current	150 A	Working Temperature	-20°C~55°C
Charge Power	7680 W	Operating/Storage Humidity	≤95%RH
Discharge Current	200 A	Max Operating Altitude	≤2000m
Discharge Power	10240 W	IP Rating	IP65
Short Circuit Current	540 A	Warranty	10 years
Communication	RS232、RS485、CAN		
Display	SOC status indicator, LED indicator, LCD Display		
Product Features	Automatic sensing fire extinguishing device/Bluetooth/WiFi		
Cell Technology	LiFePO ₄ , Lithium Iron Phosphate		
Cycle life	8000 Cycles @ 90% DOD/25°C/0.5C		
Scalability	Max 63 batteries in parallel		



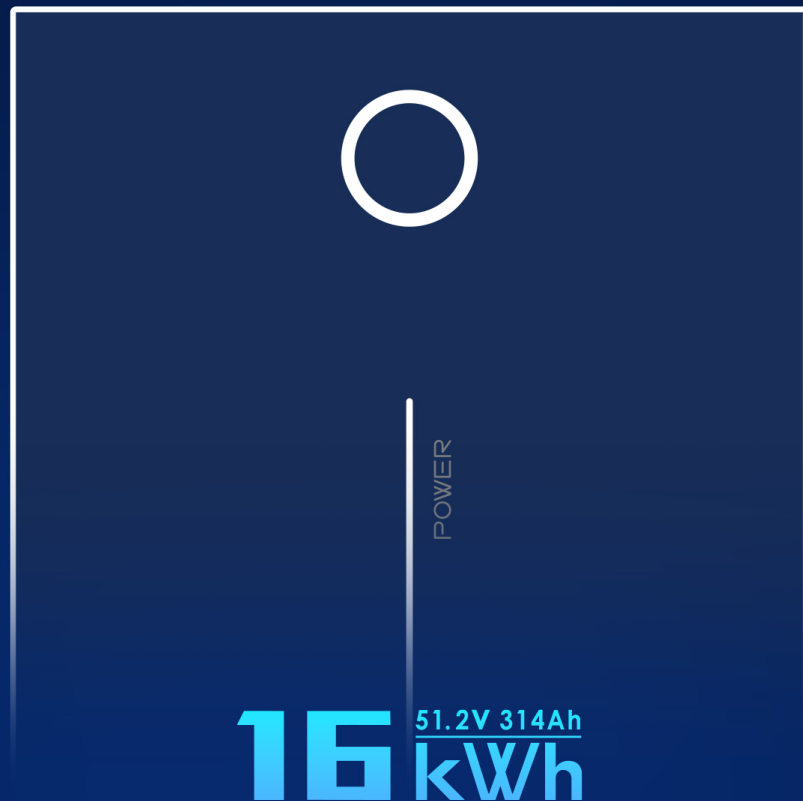
24H Uninterruptible Power

Hybrid Inverter



Superior Thermal Stability

Normal Operation Guaranteed Even at 55°C



55°C



High-grade Protection Design


IP65



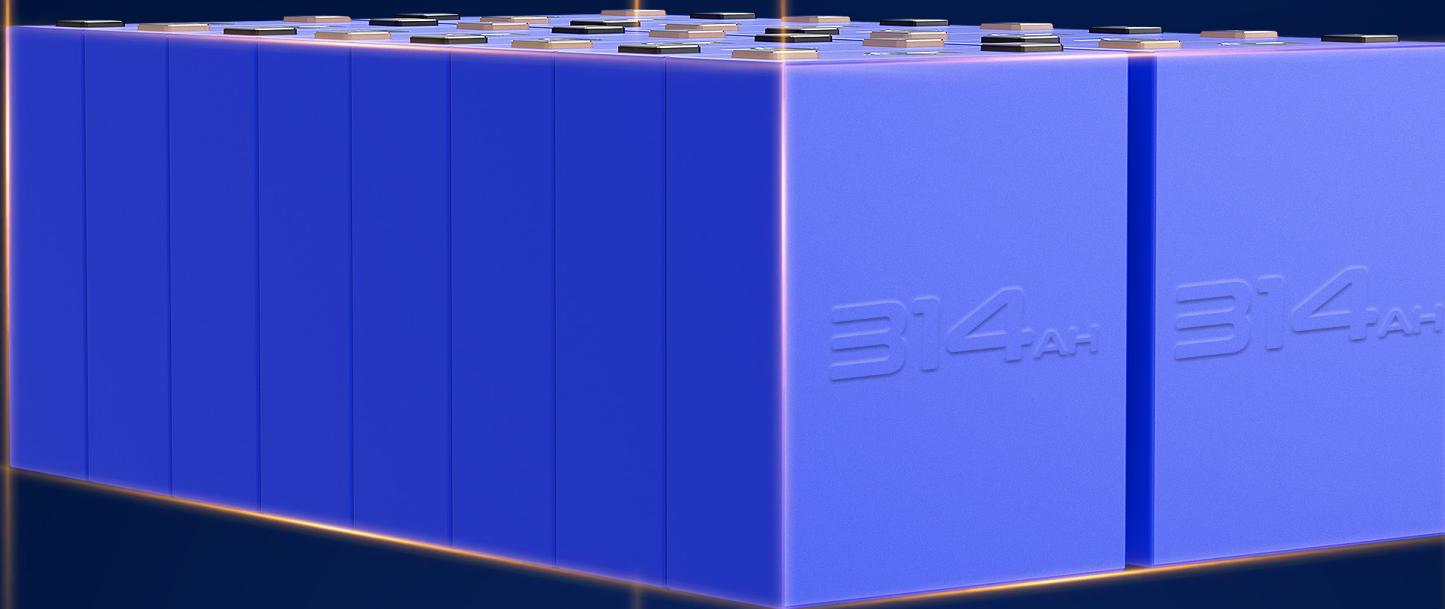
Electrostatic spray coating



Deep drawing process



314Ah Large capacity battery



8000

Battery cycles (EOL 60%)

10

years Warranty

3-Layer Battery Safety Matrix

Structural protection

- Self-locking explosion-proof design
- IP65 waterproof protection

System protection

- Overcurrent protection
- Overvoltage protection
- Undervoltage protection
- Over-temperature protection
- Under-temperature protection

Active protection

- Intelligent fire-suppression module
- Real-time thermal monitoring
- Pressure relief protection



Smart Energy, Smarter Living

Household appliances use stable and worry-free electricity



Integrated Multi-functional Interface Meet Varied Needs



Switch button



Network cable port



I/O Interface



LCD color touch screen
Real-time data at a glance

67mm

Screen size



Guardian of Safety

.....

24/7 Real-Time Temperature Monitoring
and Integrated Automatic Fire-Suppression System



On-Demand Scalable, Business-Ready

Max. parallel units: 63



x63=1008 kWh

Plug & Play Design Less Need for Manual Operation

