

► **Our Mission:**

To extend the benefits of green energy to all humankind and empower those who strive to achieve their dreams.

► **Our Prospects:**

To become a globally respected energy storage battery manufacturer.

► **Our Vision:**

To serve our customers with a commitment to ensuring their satisfaction and success.

► **Core Value:**

We place the customer at the center, are driven by ambition, view innovation as our soul, and continuously pursue improvement.



[www.lvtopsun.com](http://www.lvtopsun.com)

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**GUANGDONG LVTOPSUN  
NEW ENERGY CO., LTD**

LITHIUM BATTERY SOLUTIONS PROVIDER

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## COMPANY PROFILE



Established in 2008, Guangdong LVTOPSUN new energy Co., Ltd. is a well-known enterprise, dedicated to providing one-stop solution for new energy storage batteries.

As a professional manufacturer, LVTOPSUN is specializing in R&D, production, sales and services of energy storage batteries with over 10 years' experience. We boast a series of world-class production equipment lines with intelligent robotic arms, high precise detection instruments and monitor screen together to ensure the superior quality of batteries.

Our energy storage lithium batteries are renowned for their high quality, long lifetime, and excellent safety. We have already developed business in more than 50 countries covering the districts of Southeast Asia, the Middle East and Africa. In the future, we will continue to expand international markets in Europe and North America based on top-notch materials, advanced production technology, and world-class quality combined.







**More Usable Energy**  
90% depth of discharge



**High Energy**  
Single cell with 314Ah



**High Expansibility**  
Max 63 batteries in parallel. Scalable  
from 16.07kWh to 1012.83kWh



**Flexible Installation**  
Floor stand with wheels



**Safe&Reliable**  
Lithium iron phosphate cell!  
Cobalt free



**Perfect Compatibility**  
Compatible with major  
inverter brand

Model	LVTS-512314-G4
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Performance	
Nominal Voltage	51.2 Vdc
Nominal Capacity	314 Ah
Battery Energy	16.07 kWh
Charge Current	150 A
Charge Power	7680 W
Discharge Current	200 A
Discharge Power	10240 W
Short Circuit Current	540 A

Communication	
Display	SOC status indicator, LED indicator, LCD Display
Communication	RS232, RS485, CAN
Product Features	Automatic sensing fire extinguishing device/Bluetooth/WiFi

General Specification	
Dimension (WxDxH mm)	480x235x874 mm
Weight (Kg)	120 kg
Installation	Floor stand
Working Temperature	-20°C~60°C
Operating/Storage Humidity	≤95%RH
Max Operating Altitude	≤2000m
IP Rating	IP65
Cell Technology	LiFePO <sub>4</sub> , Lithium Iron Phosphate
Cycle life	8000 Cycles @ 90% DOD/25°C/0.5C, 60% EOL
Scalability	Max 63 batteries in parallel
Warranty	10 years

Ordering and Deliverable Part	
Product ordering part	LVTS-512314 Battery (Cable included)