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LVTS-512314-G4 Residential Photovoltaic Energy Storage Lithium-Ion Battery

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Product details

Product Features
01
More Usable Energy
90% depth of discharge
02
Flexible installation
Floor stand with wheels
03
High Expansibility
Max 63 batteries in parallel.
Scalable from 16.07kwh to 1012.83kwh
04
High Energy
Single cell with 314Ah

05
Smart Display Screen
Touchscreen-control.Real-time battery status display.

06
Perfect Compatibility

Compatible with major inverter bran

Technical Specifications

Performance

Nominal Voltage	51.2Vdc
Nominal Capacty	314Ah
BateryEnergy	16.07kWh
Charge Current	150A
Charge Power	7680W
Discharge Cuent	200A
Discharge Power	10240W
Short Circuit Curent	540A

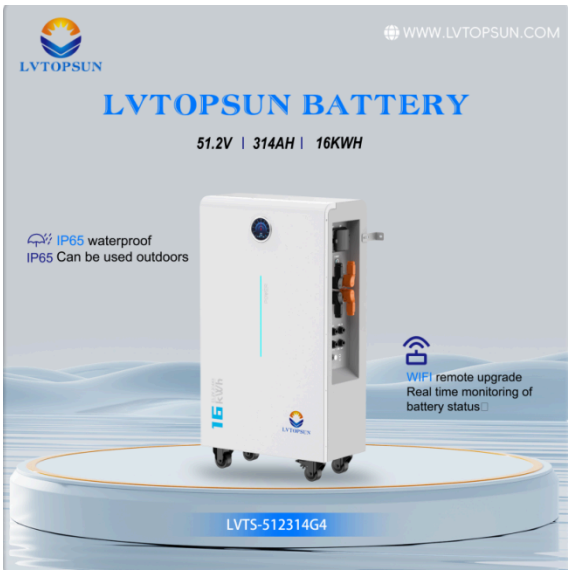
LVTS-512314-G4, as an advanced battery system designed specifically for high demand energy scenarios, redefines the reliability standards for household and commercial energy reserves with its core advantage of "ultra large capacity energy storage".

It is equipped with a groundbreaking high-capacity energy storage architecture, which can easily meet the daily electricity needs of households - whether it is energy supply during peak hours or emergency support in case of sudden power outages. Its excellent energy storage capacity can ensure stable and long-lasting power output, completely solving the pain point of "power supply interruption due to urgent needs".

The IP65 level global waterproof and dustproof design allows it to be deployed in outdoor environments, even in the face of rainwater erosion and sand and dust invasion, it can maintain stable operation without the need for additional protective facilities, adapting to more diverse installation needs.

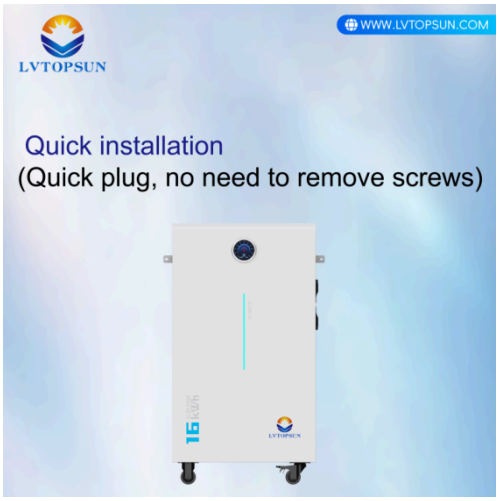
Support WiFi remote upgrade function. Key data such as remaining battery life, charging and discharging power, battery cell temperature, and health status are clear at a glance. Users

can accurately grasp battery dynamics and plan power consumption strategies in advance through the app, no matter where they are, to avoid the sudden problem of "low battery".



LVTS-512314-G4 is not only a battery system, but also a reliable, flexible, and intelligent energy partner for both household and commercial scenarios, providing comprehensive power security for high demand energy environments.

LVTS-512314-G4 has added a quick plug installation with a floor standing design. Provides unprecedented installation flexibility. Unlike traditional installations, this type of battery can be installed and used without removing screws, and its mobility is also a key advantage, especially in environments that require space optimization and dynamic layout adjustment. Whether deployed in high-rise buildings or large industrial parks, wheeled design ensures easy relocation and simplified maintenance operations.



LVTS-512314-G4 was built with reliability and security in mind, and features a range of advanced protection functions. The system is designed to withstand electrical and thermal stress, with built-in fire protection measures to prevent overcharging, overdischarging, and potential short circuits. This comprehensive protection not only ensures the lifespan of the battery, but also ensures the safety of the surrounding infrastructure. In addition, the device is designed to operate efficiently under different environmental conditions, achieving reliable performance regardless of ambient temperature or operating pressure.

In HEMS household energy storage system:

LVTS-512314-G4 displays data through intelligent applications, providing a visual representation of the entire system's power transportation.

In this system, if facing a circuit failure, it has a faster grid/off switching UpS level switching time of 10ms.

In HEMS household energy storage system, peak shaving and valley filling are carried out according to the low and peak periods of electricity prices