



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



Perfect Compatibility
Compatible with major
inverter brand



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



Specifications

Model

LVTS-512314-G3

• Performance

Nominal Voltage	51.2 Vdc
Nominal Capacity	314 Ah
Battery Energy	16.07KWh
Working Voltage	56.16 V
Maximum Charge Curr	150 A
Maximum Discharge Current	200 A
Charge Power	7680W
Discharge Power	10240W
Short Circuit Curr	≈540 A

• Communication

Display	LCD Display
Communication	CAN, RS485, RS232

• General Specification

Dimension (WxDXH mm)	450x230x866 mm
Weight (Kg)	119 kg
Working Temperature	Charge 0°C~45°C / Discharge -20°C~55°C
Storage Temperature	Short Term(within 1 month) -10°C~45°C LongTerm(within 1 year) 0°C~35°C
Storage Humidity	≤ 95%RH
Max Operating Altitude	≤ 2000m
IP Rating	IP20
Cell Type	LiFePO ₄ , Lithium Iron Phosphate
Warranty	5 years
Cycle life	8000 Cycles @ 90% DOD/25°C/0.5C

• Standard Compliance

Certificates	CE, UN38.3
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