



5U Low Voltage Rack Battery



Product Highlights

Safe and Reliable

Cathode material is made from LiFePO₄ with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.

Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.

Eco-Friendly

The whole module is non-toxic, non-polluting and environmentally friendly.

Flexible Configuration

parallel for expanding capacity and power. Support USB upgrade, wifi upgrade (optional), remote upgrade (Compatible with Deye inverter)

Wide Temperature

Working temperature range is from -0°C to 55°C, with excellent discharge performance and cycle life.

Model	TG-LVC314
Nominal Voltage	51.2V (16series)
Cell model /Configuration	3.2V314Ah(EVE)/16S1P
Capacity(Ah)	314AH
Rated Energy(KWH)	16.076KWH
Usable Energy(KWH)	16.07KWH
Max. Charge/Di scharge Current(A)	200A/200A
Vol tage Range(Vdc)	43.2-57.6
Scalability	Up to 10 parallel
Communi eation	RS232-PC, TYPE-C(PC), RS485-Inverter, Canbus-Inverter
Cycle Life	>6000cycles@25C , 90%DOD , 70%EOL
Design Life	≥10 Years(25° C)

MECHANICAL SPECIFICATIONS

Weight (Approx) (KG)	Approx: 120kg
Dimension (W/D/H mm)	780*442*230
Installation Mode	Stack
IP Grade	Ip20(Optional)

SECURITY AND CERTIFICATION

Safety(Pack)	CE-EMC, UN38.3, MSDS
Safety(Cell)	UN38.3, MSDS
Protection	BMS, Breaker

ENVIRONMENTAL SPECIFICATIONS

Operoting Temperature	Charge: 0°C-50°C; Di scharge: -20°C-50°C
Alti tude(m)	2000
Humi di ty	<95%(Non-condensi ng)

