



HiSEL Low Voltage LiFePO4 Battery

VOLTEX SERIES

1.28kWh (12.8V/100Ah)

Product Features

Free of maintenance. Internal cell balancing.

Wider temperature range: -20~65°C. Support for Series application expansion.

Lighter weight: About 40%~50% of the weight of a comparable lead acid battery.

Built-in automatic protection for over-charge, over discharge, over current and over temperature.

Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 90% DOD. under normal conditions.



Wide Applications Off-grid, Hybrid Back-up, Peak Shaving, and Virtual Power Plant Home Appliances, Uninterrupted Power Supply.



Long cycle life, using high-quality LiFePO4 Cells, the cycle life is as high as 3000 times.



Replacement for lead-acid battery.



Intelligent battery management system High reliability BMS.



Parameters

Items	12.8V/100Ah
Nominal voltage	12.8V
Nominal capacity	100Ah
Nominal energy	1280Wh
Cell rated voltage	3.2V
Combination Method	4S1P
Charge voltage	14.4±0.2V
Recommend charge current	50A
Max. charge current	100A
Max. discharge current	100A
Discharge Cut-off voltage	10V
Series Connection	Maximum support 4pcs
Cycle life	≥3000 cycles @0.5C
Net weight	9.5kg
Dimension(W*H*D)	318*184*196mm
Cell type	Lithium-iron phosphate
Plastic case	ABS
Charging Temperature	0~65 °C
Charge Temperature	0~65°C @ 60±25% Relative Humidity
Discharge Temperature	-20~55°C @ 60±25% Relative Humidity
Storage Temperature	0~40°C @ 60±25% Relative Humidity