powering the world to a sunnier future



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℃. 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.

CE UN38.3 MSDS IECEE CB SCHEME IEC

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 ℃
Charge Temperature	0~65℃ @ 60±25% Relative Humidity
Discharge Temperature	-20~55℃ @ 60±25% Relative Humidity
Storage Temperature	0~40℃ @ 60±25% Relative Humidity

The specifications and key features contained in this datasheet may deviate slightly from our actual products due to on-going innovation and product enhancement. HiSEL Power Corporation reserves the right to make necessary adjustment to the information described herein at any time without notice.

Caution: For professional use only. The installation and handling of PV equipment requires professional skills and should only be performed by qualified professionals. Please read the safety and installation instructions before using the product.