POWERWIN

User Manual

BT100 12.8V 100Ah Battery

Product Introduction

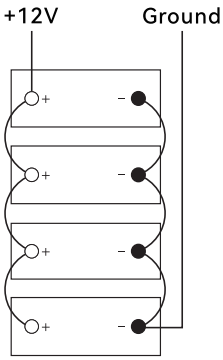
Thank you for choosing **POWERWIN** . Our battery is powered by the safest battery material Lithium Iron Phosphate (LiFePO4). The working principle is when the battery is charging, the lithium ion Li+ in the positive electrode migrates to the negative electrode through the polymer diaphragm; During discharge, the lithium ion Li+ in the negative electrode migrates to the positive electrode through the diaphragm.

Technical Specification

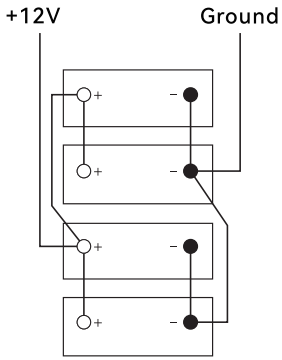
Item	Value
Nominal Capacity (0.2C, 5A)	100Ah
Nominal Voltage	12.8V
Max. Charge Voltage	14.6V
Discharge Cut-off Voltage	10V
Continuous Charge Current	Max. 100A @25°C
Charging Method & Time	CC-CV, About 2h
Continuous Discharge Current	Max.100A @25°C
Peak Discharge Current	200A 5S @25°C
Battery Dimension	330 × 172 × 215mm
Product Weight	**9.9 kg/ 21.82lb ±5%**
Load Dower	≤1000W
Working Temperature	Charge 0°C - 45°C
	Discharge -20°C - 60°C
	Storage -10°C - 45°C
Multifunctional Safety Protection	Over Charge, Over Discharge, Over Current, Short-circuit etc.
Recommend Installation Tools	Torque Wrench, Cross Screwdriver, Insulating Gloves, Multimeter

Connecting Your Product

Suitable For Most Applications



Perfectly Balanced Draw



Parallel charging (Max 4S4P) can improve the consistency of the battery, and low-voltage charging is also safer.it should be noted that when charging in parallel, the cable should adopt the diagonal method toimprove the consistency of the current shunt. The so-called diaonal connection method is as follows.

Caution

1. Do not heat source or close to the fire.
2. Do not short-circuit the battery.
3. Do not attempt to disassemble the battery.
4. Do not cover the product with towels,clothing and other items.
5. Please keep this product away from children.

Package Content

· 1 × 1280Wh Battery
· 1 × User Manual

Warranty

Our company provides customers with warranty of 12 months from the date of purchase

Customer Service

Service@iittechnology.com

Made In China