

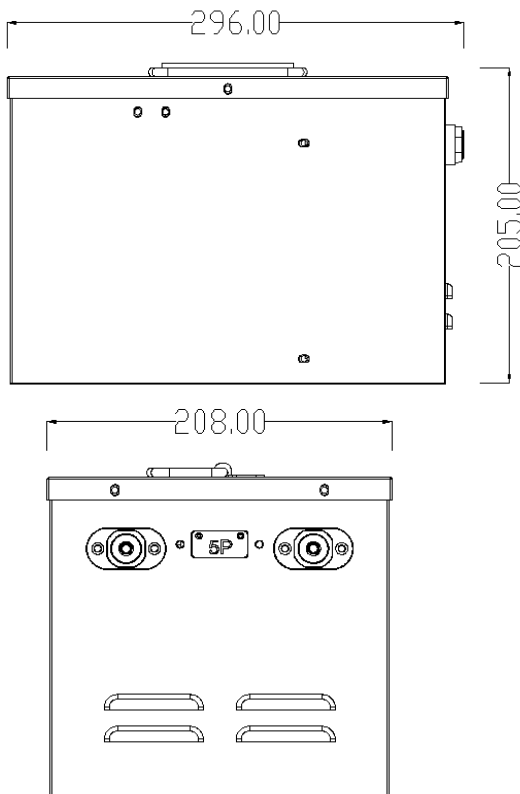
Lithium Iron Phosphate Battery

Overview

The VOLTAI- 12.8V100Ah rechargeable lithium battery is optimized for low rate application which requires high energy density.

Features

- LiFePO4 battery, more stable and safe .
- Intelligent BMS equipped inside to maintain the battery always work at best condition .
- Max. charge and discharge current as 150A which is specially designed for solar energy .
- With equalizer can balance each lithium cell voltage difference as small as 0.05V in a very short time .
- It can be connected in series to 24V, 36V, 48V .
- Excellent standby self-consumption as low as 4mA .
- Automatically output cut off after 30days no charge and discharge to ensure security , also can cut off output by manual operation .



Battery Specification

Nominal Characteristics

Nominal Voltage /V	12.8
Nominal Capacity /Ah (25° C , 0.2C)	100

Mechanical characteristics

Weight (approximate)/Kg	15.2
Dimension L*W*H /mm	296*205*208
Terminal	M8

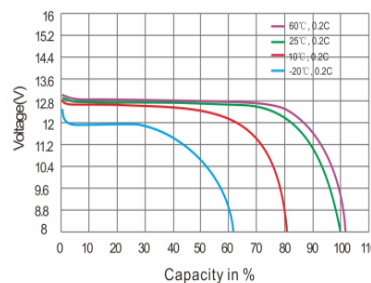
Electrical characteristics

Voltage window/V	11.2 to 14.6
Float charge voltage/V	14.0
Max. continue discharge current/A	100
Max. pulse discharge current/A	150A 30Sec.
Max. continue charge current/A	50

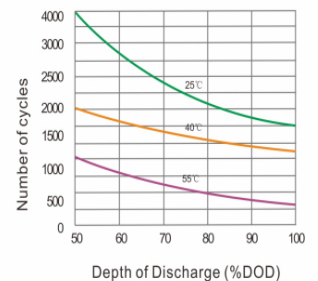
Operating conditions

Cycle life (+25°C 0.2C 100%DOD)	> 1500 Cycles
Operating temperature	Discharge -10°C to 50°C Charge 0°C to 50°C
Storage temperature	0 to 30°C
Storage duration	6 months at 25°C
Safety standard	UN38.3,MSDS
IP Degree	IP20

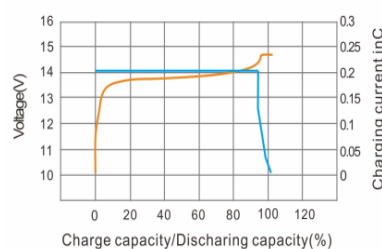
Dis charge curves under differnet temperatures



Cycle life vevrus DOD and temperature at 0.2C



0.2C CC-CV charge chararveristic



Self-discharge characteristic

