



Specifications

Model : GBL-12-20

Number of cycles : ≥ 2000 cycles at 80% DOD

Nominal capacity : 20Ah

Nominal Voltage : 12.8V

Charge cut-off voltage : 14.6V

Discharge cut-off voltage : 10V

Continuous charge current : Max.20A @25°C

Charging method : CC-CV

Continuous discharge current : Max.20A @25°C

Peak discharge current : 40A 5S @25°C

Battery dimension : 165*126*175mm

Net Weight : 2.1 Kgs

Load power : $\leq 256W$

Charge temperature : 0°C~45°C

Discharge temperature : -20°C~60°C

Storage temperature : -10°C~45°C

BMS protection :

Protect battery from over charge,
over discharge, over current,
over temperature, short-circuit etc.

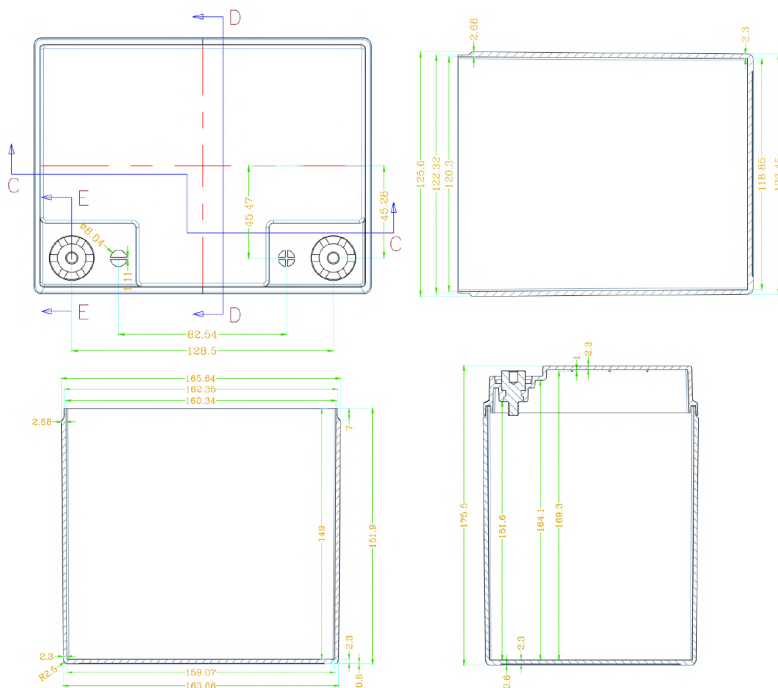
IP Protection level : IP65

Self discharge rate : $\leq 2\%$ per month @25°C

Series & Parallels Connection :

Max 4 Series and 2 Parallels

Connection screw : M6

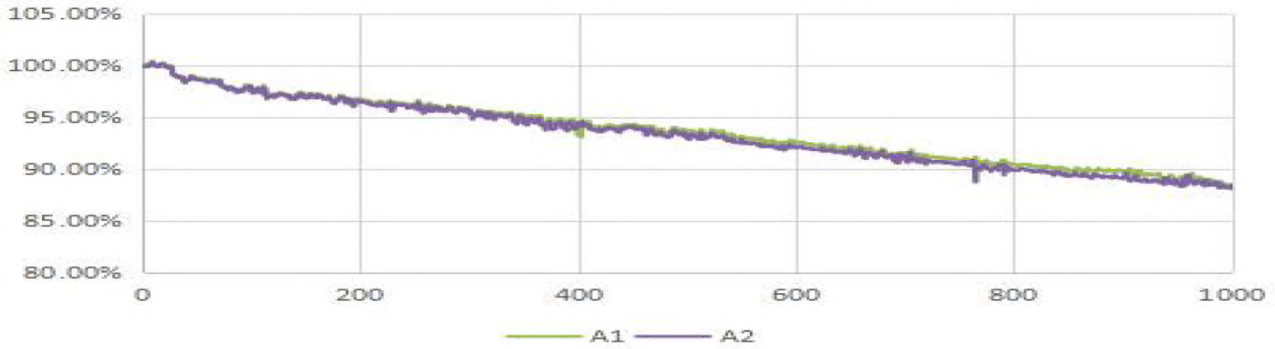


General Information:

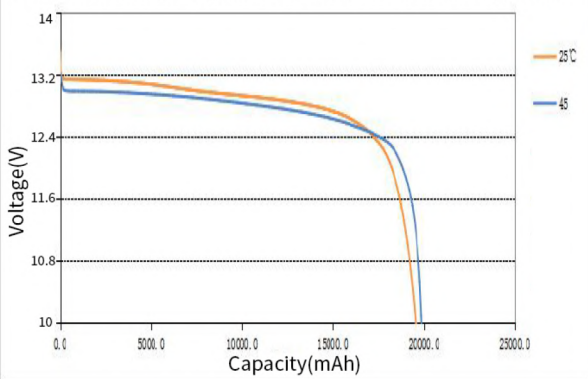
- Long Life cycles: ≥ 2000 times
- High Safety:Low risks of fire or explosion
- Light weight:Much lighter than lead acid battery
- Fast charging
- Safety and environmental protection
- Suitable for frequent and deep cycle application

Applications: Home Backup System, EV/RV/AGVs, Boats, Campers, Trolling Motors, Off-Grid Setups, Emergency Power Supply, Communication Equipment Power Supply, Solar Energy Storage, .ETC.

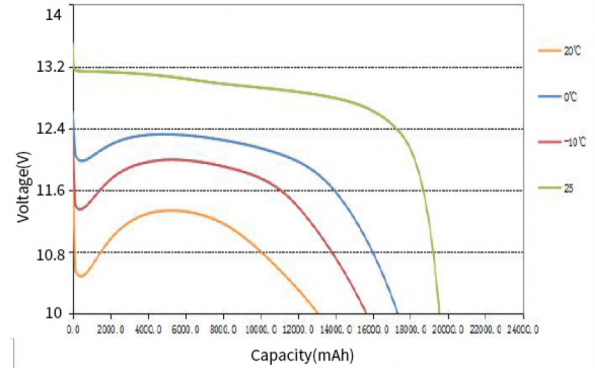
12.8V 20Ah battery Room temperature cycles



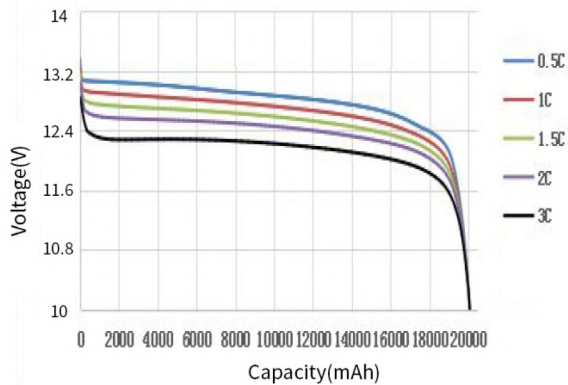
12.8V 20Ah battery High and low temperature discharge curve



12.8V 20Ah battery High and low temperature discharge curve



12.8V 20Ah battery discharge curve



Intelligent Integrated BMS

The heart of a lifepo4 battery is an intelligent BMS (Battery Management System), which serves to monitor and manage the battery cells to ensure safety and efficient operation. It monitors the voltage, current, and temperature of each cell, preventing over-charging, over-discharging, over-heating, short circuit, etc. The BMS also balances the individual cells, extending the battery's lifespan and enhancing overall performance and reliability.