

LIFEPO4 BLUETOOTH BATTERY

FEATURES Lithium Iron Phosphate (LiFePO4) Graphane: the Safest Lithium Technology.
 Integrated Smart Battery Management System(BMS).
 Bluetooth
 LED Indicator(Optional)

PERFORMANCE Long Cycle Life>5000cycles @100% DOD.
 High Density, High Discharge Current, High Temperature Range.
 Low Weight, Free Maintenance.
 Fast Charging.
 Environment Friendly.



LITH24-100BT(25.6V100AH)

BATTERY DATA SHEET

Electrical Parameters

Nominal Voltage	25.6V
Rated Capacity	100Ah
Energy	2560Wh
Resistance	≤30m Ω
Efficiency	99%
Cycle Life	>5000cycles @0.2C,100% DOD
Self Discharge	2% per Month
Max. Modules in Series/Parallel	8S1P

Mechanical Parameters

Dimension(L x W x H)	520x 210x 225 mm
	20.5x 8.3 x 8.9"
Weight	21.0kg(46.3lbs)
Terminal Type	M8
Battery Housing	ABS(Detachable with screws)
Housing Protection	IP65
Cell Type-Chemistry	LiFePO4 Prismatical Cell
SOC Display(Optional)	Bluetooth 5.0

Discharge Parameters

Continuous Discharge Current	100A
Pulse Discharge Current	300A(1 second)
Recommended Volt. Disconnect	22V
BMS Discharge Cut-off Voltage	18-20V
Reconnect Voltage	21V
Short Circuit Protection	yes

Charge Parameters

Charge Method	CC-CV
Charge Voltage	28.8~29.4V
Recommended Float Voltage	27.6V
Recommended Charge Current	10-50A
Maximum Charge Current	100A
BMS Charge Cut-off Voltage	29.2V

Compliance Certificate

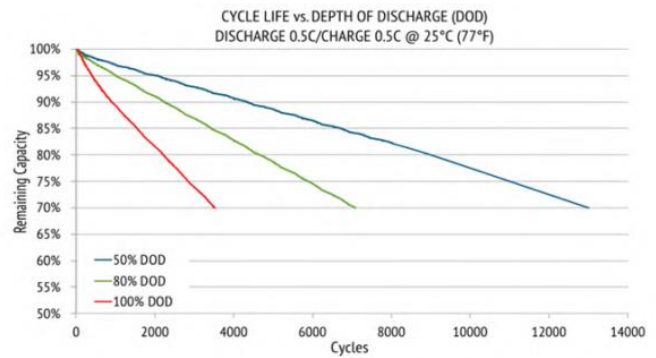
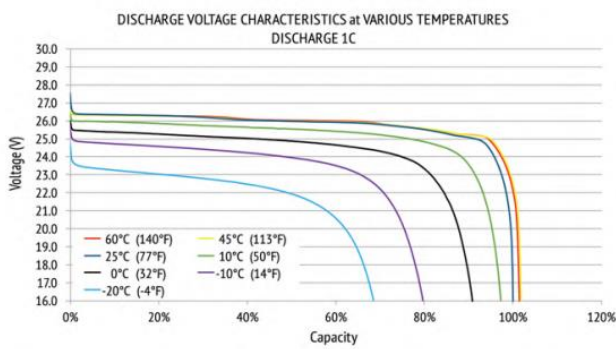
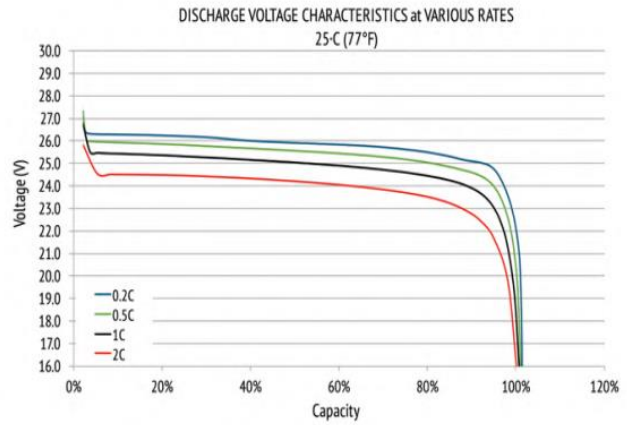
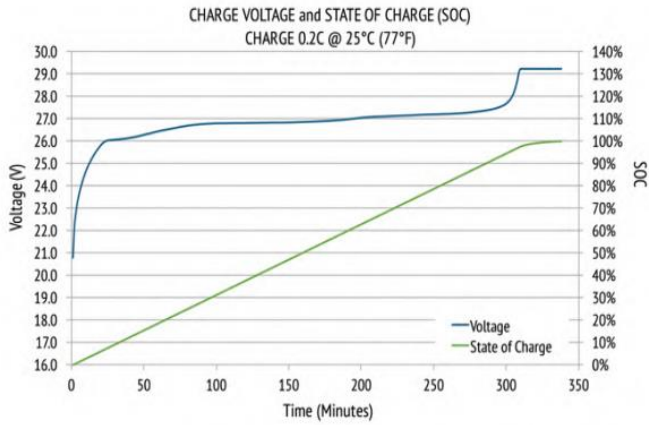
Certifications	UL1973
	CE
	IEC62619
	ROHS
	MSDS
Shipping Classification	UN3480, Class 9,UN38.3

Temperature Parameters

Discharge Temperature	-40 to 65°C (-22 to 151°F)
Charge Temperature	0 to 45°C (32 to 113°F)
Storage Temperature	-40 to 65°C(-40 to 151°F)
BMS High Temperature Cut-off	80°C(176°F)



Performance Characteristics



Bluetooth APP



Bluetooth 5.0

Low Energy

Battery Recycle



NOTE: Do Not Mix With Sealed Lead Acid Batteries When Recycling.

Battery Applications

- + Data Center UPS
- + Telecom Backup Power
- + Military Power Supply
- + Solar Energy Storage System
- + Solar Street LED Lightings
- + Autonomously Guided Vehicles (AGVs)
- + Industrial Robotics & Handling Equipment
- + Aerial Work Platform
- + Floor Cleaning Machines
- + Power Tools, Lawn Mower
- + Electric Bike & Motorcycles
- + Electric Mobilities (E-scooters, Wheelchair)
- + Golf Trolley & Golf Carts
- + Medical Devices
- + Electric Ships
- + Passenger Vehicles

DeviceList
☰

Current Connected: 12v200

Charging 16%

Estimated charge time
20:10:53

Charging: ON

DisMos: ON

Balance: OFF

Protection: OFF

13.14V
TotalVolt

8.32A
Electric

109.32W
Power

3.29V
VolHigh

3.29V
VolLow

3.29V
AveVol

0.00V
PressureDi
ff

0
Cycle-Inde
x

History
Control
RT
Parameter
Mine

Control

Charge Switch

ON

Discharge Switch

ON

History
Control
RT
Parameter
Mine

DeviceList
☰

Charging: ON

DisMos: ON

Balance: OFF

Protection: OFF

13.15V
TotalVolt

8.32A
Electric

109.41W
Power

3.29V
VolHigh

3.29V
VolLow

3.29V
AveVol

0.00V
PressureDi
ff

0
Cycle-Inde
x

MOS 28.8°C

1 28.8°C

3 28.5°C

Humidity Nothing

2 28.7°C

Single voltage information

① 3.29

② 3.29

③ 3.29

④ 3.29

History
Control
RT
Parameter
Mine

← Basic Information

Bluetooth name 12v200 Set

Serial number 0

Bar code

Manufacturer DGJBD

Version 42

Production date 2022-7-8
