

## 51.2-100(51.2V100Ah)

### Universal Power Provides Safe and Efficient LFP Battery Solutions

**Universal Power** designed for different types of applications, such as small UPS, home energy storage, portable mobile power supply, which is the best choice of small capacity, long standby or cyclic use.

#### Features

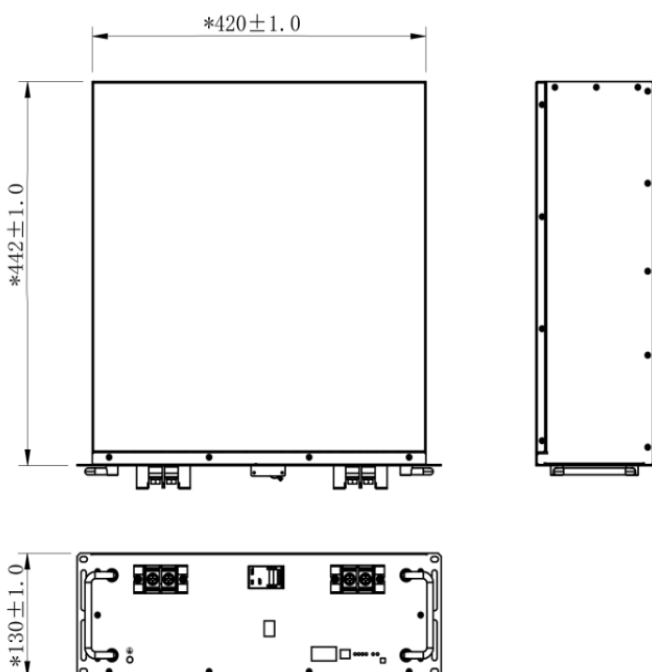
- . Safest Lithium Battery Technology
- . Lighter Weight
- . Eco-friendly
- . Longer Life
- . Multiple Safety Protection
- . Intelligent Balancing Function
- . 20 Years Designed Service Life



#### Performance

Cell	Square LFP 100Ah	Rated Charge Current	50A	Rated Discharge Current	100A
Terminal	M8	Max. Charge Current	100A	Pulse Current	600A(5S)
IP Grade	IP21	Rated Charge Voltage	54.4~55.2V	Rated Discharge Cut-off Voltage	44.8V
Self Discharge	<=2%/Month	Charge Cut-off Voltage	58.4V	Min. Discharge Cut-off Voltage	>40V
Cycle Life	6000times(80%DOD)	Balancing Voltage	>54.4V	Short Circuit Current	Approx.2000A

#### Size



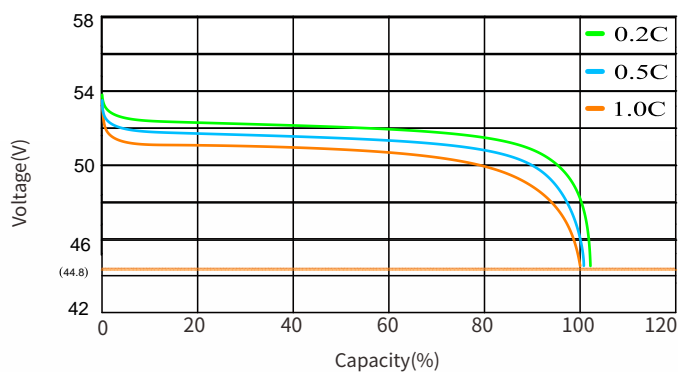
#### performance parameters

Capacity	100 Ah
Nominal Voltage	51.2 V
Energy	5120 Wh
Weight	40 kg
Dimensions	442*420*130 mm
Storage Temp	-5°C to 35°C
Discharge Temp	-20°C to 55°C
Charge Temp	0°C to 45°C

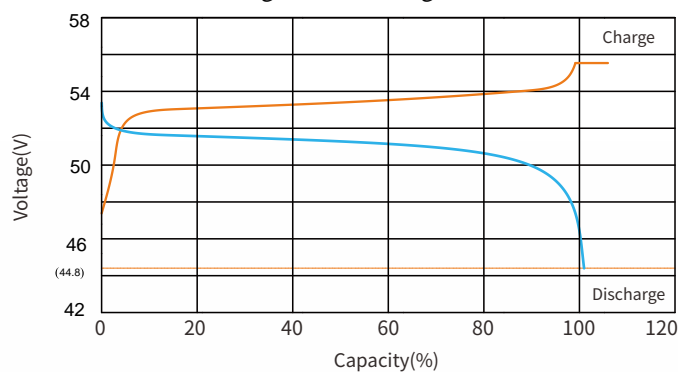


## Characteristics Curve

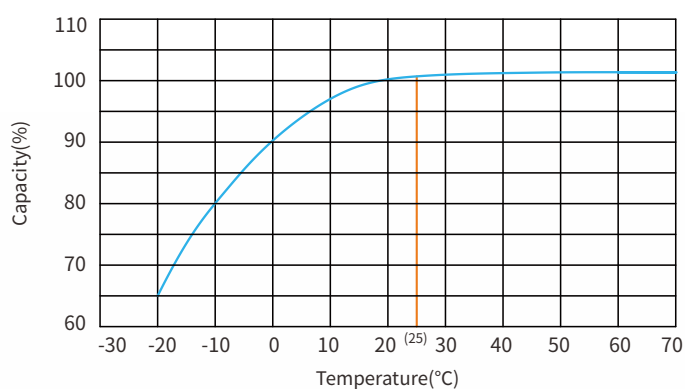
Discharge Performance at 25°C



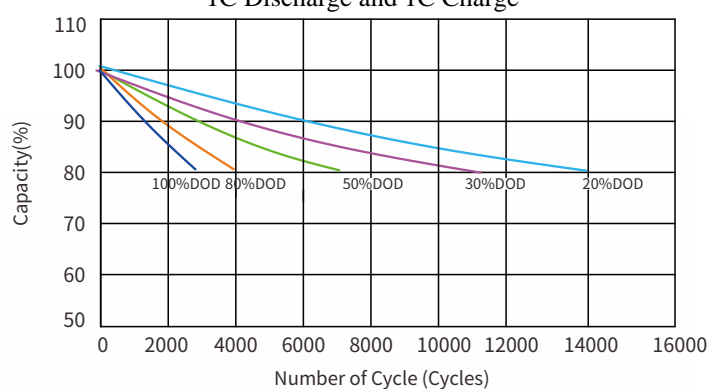
Charge and Discharge at 25°C, 0.5C



Temperature Effects on Capacity at 0.5C



Cycle Life with DOD at 25°C  
1C Discharge and 1C Charge



## Cautions

1. Do NOT short circuit, crush or disassemble.
2. Do NOT heat or incinerate.
3. Do NOT immerse in any liquid.
4. Store at 50% capacity. Recharge every 3 months. The storage area should be clean, cool, dry and ventilated.
5. Disconnect charging source prior to connecting or disconnecting battery terminals.
6. Do not dispose of batteries in a fire as they can explode.
7. Do not open, alter, or mutilate batteries. Released electrolyte is harmful to skin and eyes. It may be toxic.
8. Do not mix different types and brands of lithium-ion batteries.
9. Do not dispose in trash, follow local regulations and manufacturer's instruction.
10. See installation instructions before connecting to the supply.
11. The battery cabinet receives power from more than one source. Disconnection of all DC sources is required to De-energize this unit before installing or servicing.  
Wait 5 minutes before opening the unit.
12. Do not install on or over combustible surfaces.
13. Refer to manual before servicing.
14. Do not touch bare terminals.