

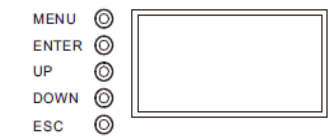
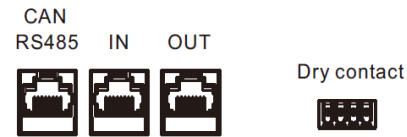
Lithium-ion battery power system

51.2V100Ah

This series is a complete solution for the lithium iron phosphate battery system for the home energy storage field. There are two types of wall-mounted and vertical structures. The system is safe and reliable. It can be used in home storage, industrial and commercial energy storage and other fields.

Characteristic

- Safe, reliable and long life
- Dynamic identification, automatic paralleling, no need for DIP switches
- Support Bluetooth, mobile APP switching PCS protoco
- CAN/RS485/LAN interface
- Visualization, LCD screen display
- Flexible expansion, the number of parallel machines supports up to 16
- Supports mixed parallel of old and new batteries
- Remote intelligent upgrade maintenanc



Battery communication interface preview

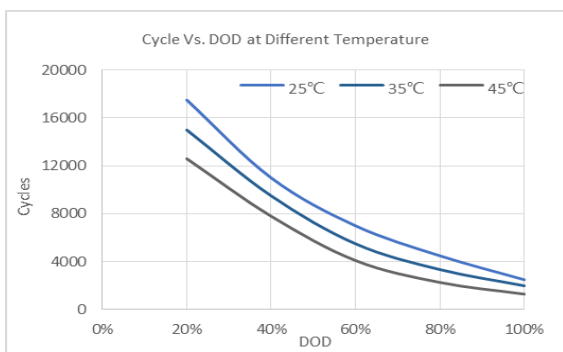
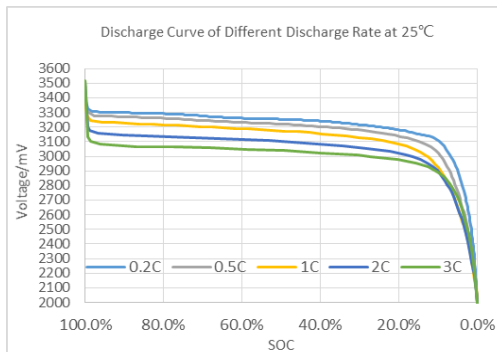
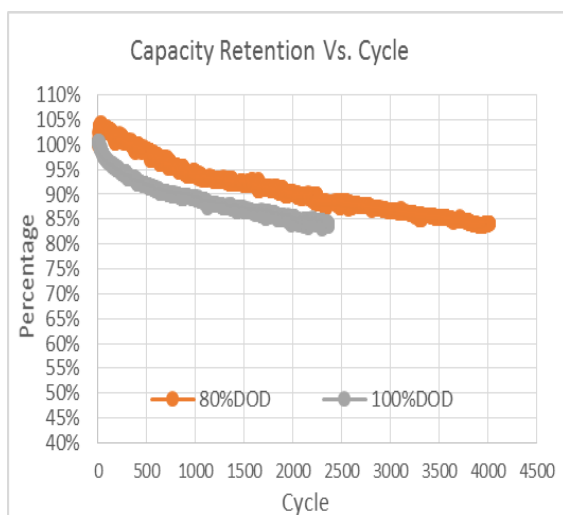
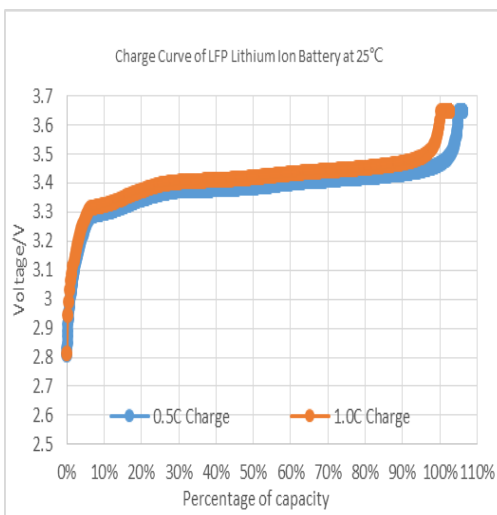
System Specifications

Voltage(V)	40~58.4V
Cell	3.2V50Ah
Module	15S2P
Number of parallel machines	16PCS
Nominal voltage(V)	51.2
Nominal Capacity(Ah)	100
Nominal Energy(kWh)	5.12
Maximum power output(kW)	5.12
Maximum discharge current(A)	100
Maximum charging current(A)	100
Cut-off voltage(V)	40
Maximum charge voltage(V)	58.4
Cycles(25°C,0.5C/1C,80%DOD)	>2500
Charging temperature(°C)	0~55
Discharge temperature(°C)	-20~55
Operating humidity	<95%R.H
Communication mode	CAN/RS485
Dry contact	Customized by demand
Optional modules	Bluetooth, 4G module
Product size(W*D*H,mm)	580*415*150mm
Packing size(W*D*H,mm)	765*560*310
Protection class	IP20
System weight(kg)	Approx 45
Certification	IEC62619/UN38.3

Product renderings



Cell characteristic curve



With process improvements and product upgrades, the product parameters are subject to change without prior notice

Version : 202210