

# CN series energy storage batteries



## Introduce

TCSN CN series 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

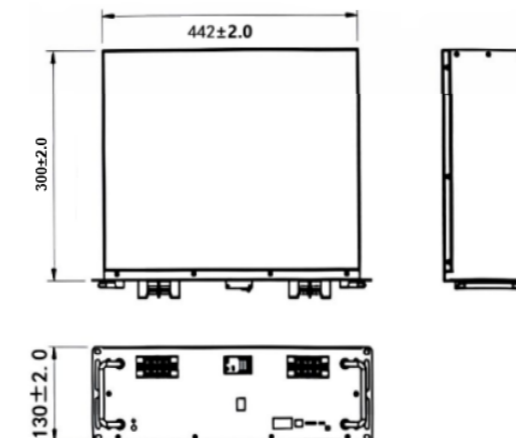
- Reliable and long-lasting**  
 Cycle life: 6000 times (1C 80%DOD)  
 Design life: 20 years
- Ultimate balance**  
 Intelligent balanced management, with active/passive options available, ensuring high consistency of battery cells.
- Flexible parallel connection**  
 The convenience of expansion  
 Support for multiple units to be used in parallel
- Safe and worry-free**  
 Using LFP batteries, ultra-safe batteries, multiple layers of protection are implemented at each system level.
- Lightweight design**  
 Lightweight body design  
 Supports bracket installation and standard 19-inch cabinet
- Function integration**  
 Multi-protocol compatibility  
 Support for multiple communication methods

## Performance

Model	CN25.6-100
<b>Performance</b>	
Cell	Square LFP 100Ah
Terminal	M6
IP Grade	IP21
Self Discharge	<=2%/Month
Cycle Life	6000times(1C 80%DOD)
Rec. Charge Current	50A
Max. Charge Current	100A
Rec. Charge Voltage	27.2~27.6V
Charge Cut-off Voltage	29.2V
Balancing Voltage	>27.2V
Rec. Discharge Current	50A
Max. Discharge Current	100A
Rec. Discharge Cut-off Voltage	22.4V
Min. Discharge Cut-off Voltage	>20V
Short Circuit Current	Approx.500A

Performance parameters	
Capacity	100 Ah(0.5C@25°C)
Nominal Voltage	25.6V
Energy	2560 Wh
Weight	28kg
Dimensions	442*300*130mm
Communication interface	RS485/CAN
LCD Panel	Optional configuration
Storage Temp	-5°C to 35°C
Discharge Temp	-20°C to 55°C
Charge Temp	0°C to 45°C

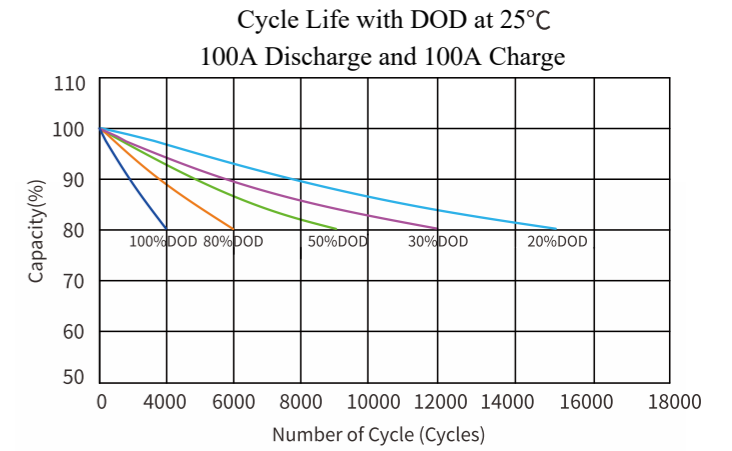
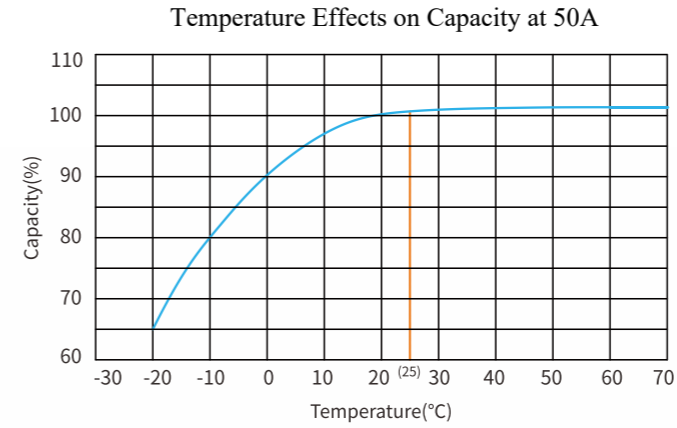
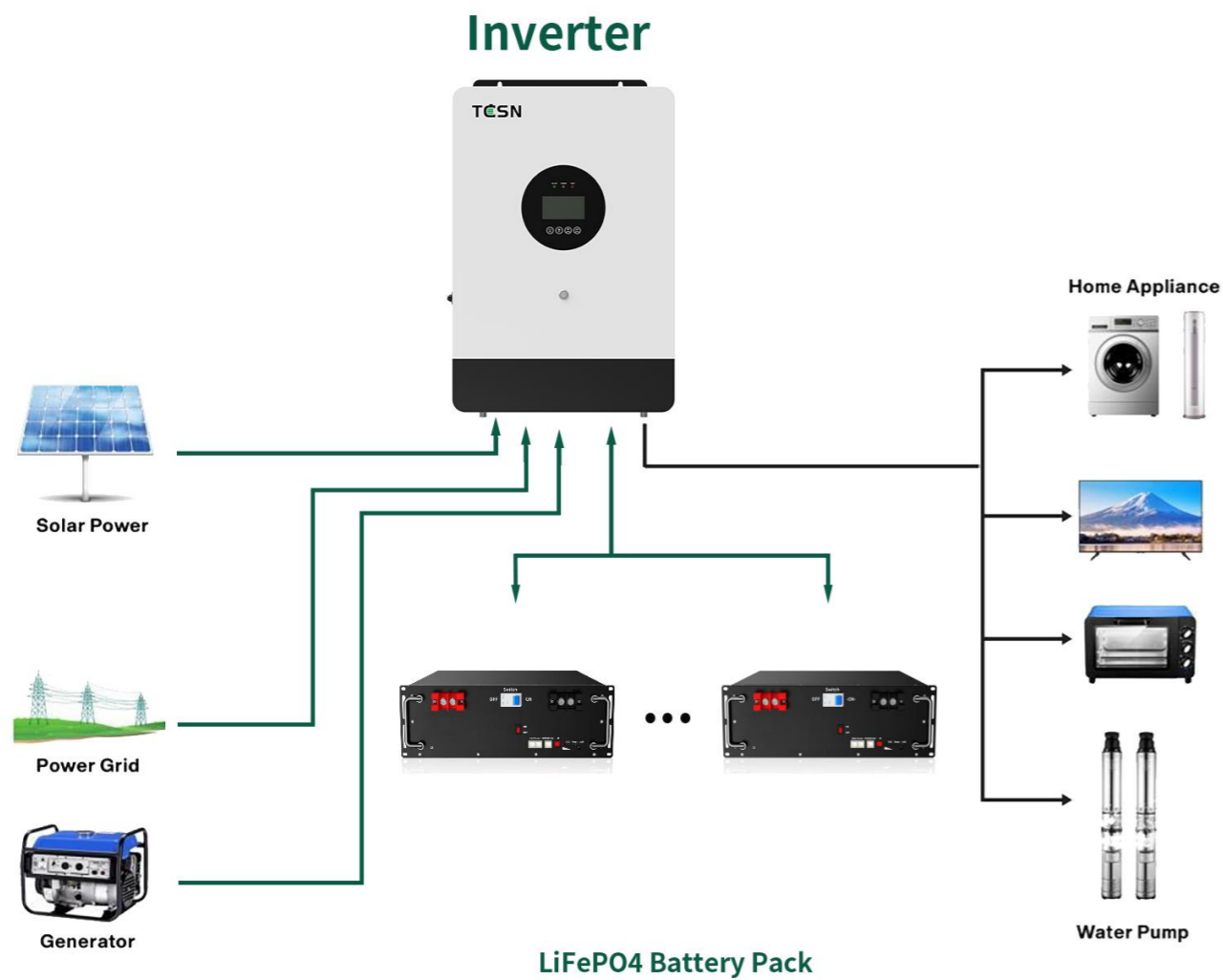
### Size



### Compliance

Certifications	Cell UN38.3
	Battery UN38.3
Transport Appraisal	UN3480, CLASS 9

# System Management Diagram



## 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.

## Characteristics Curve

