


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


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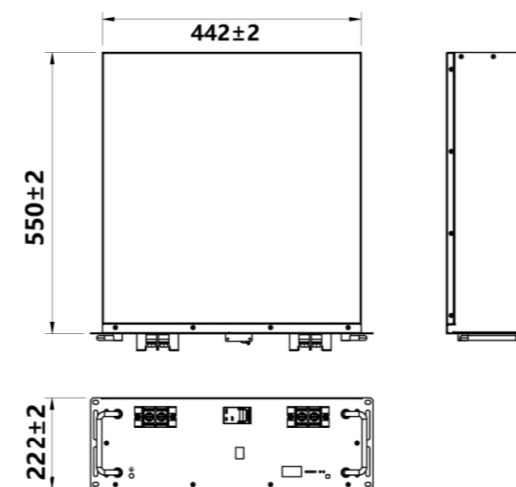
Function integration
Multi-protocol compatibility
Support for multiple communication methods

Performance

Model	CN51.2-200
Performance	
Cell	Square LFP 200Ah
Terminal	M8
IP Grade	IP21
Self Discharge	<=2%/Month
Cycle Life	6000times(1C 80%DOD)
Rec. Charge Current	100A
Max. Charge Current	200A
Rec. Charge Voltage	54.4~55.2V
Charge Cut-off Voltage	58.4V
Balancing Voltage	>54.4V
Rec. Discharge Current	100A
Max. Discharge Current	200A
Rec. Discharge Cut-off Voltage	44.8V
Min. Discharge Cut-off Voltage	>40V
Short Circuit Current	Approx.500A

Performance parameters	
Capacity	200 Ah(0.5C@25°C)
Nominal Voltage	51.2 V
Energy	10240 Wh
Weight	88kg
Dimensions	442*550*222mm
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

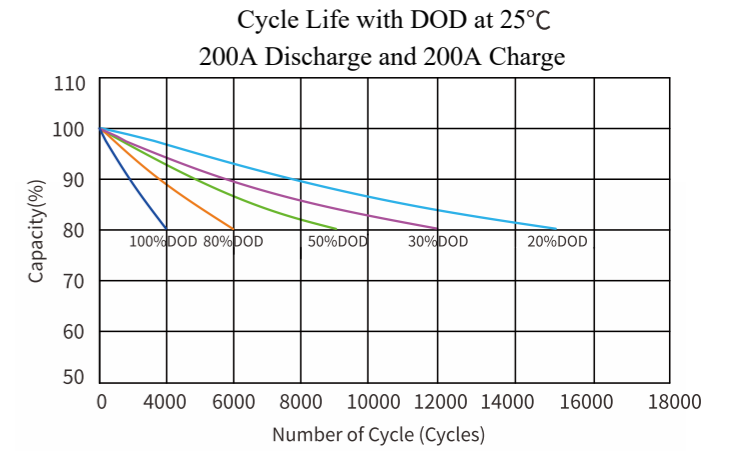
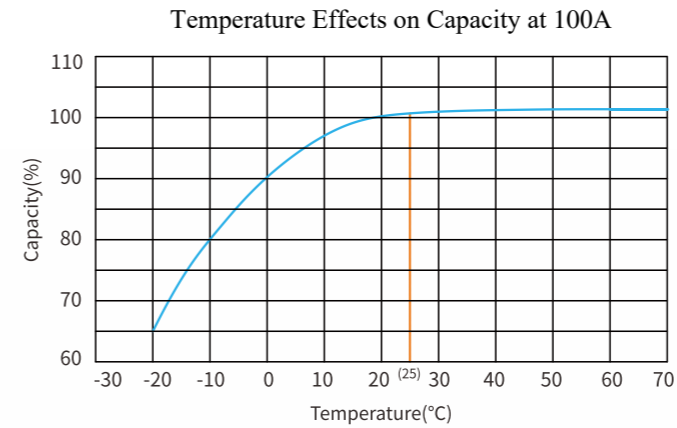
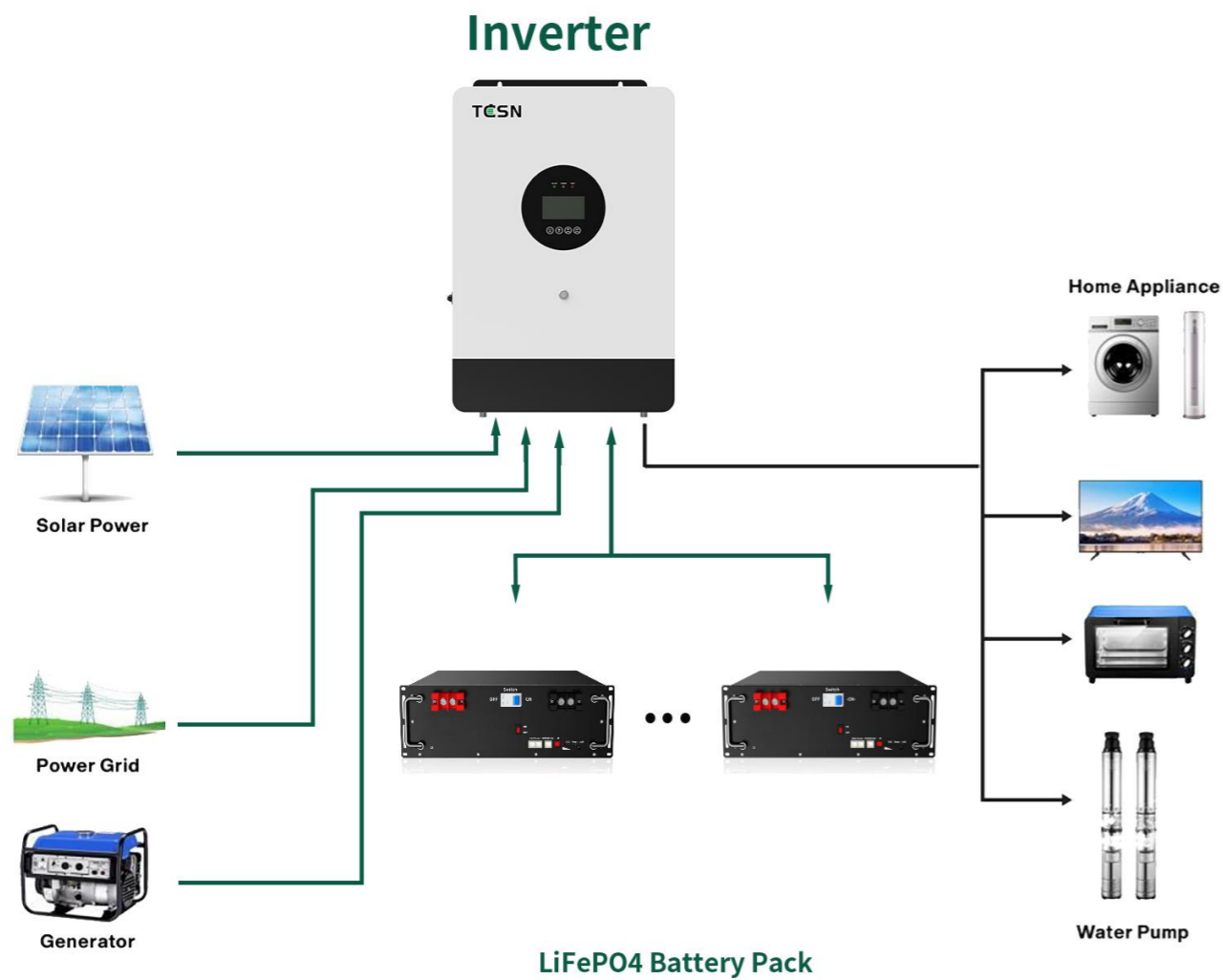
Size



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

