

VTCBATT TODAY, VICTORY TOMORROW!



ESS Lithium Ion Battery

Power Your Home With
Renewable Energy



www.vtc-energy.com
sales@vtc-energy.com



- ▶ Waterproof&Dustproof
- ▶ Ingress Protection Rate IP67
- ▶ Life design:10 years
- ▶ Warranty: 3 years
- ▶ Cycle life:6000+ times at 80% DOD
- ▶ Wall mounted&Easy installation
- ▶ Support Parallel Connection
- ▶ Max 15pcs,up to 115.2KWH
- ▶ Continuous Charging
- ▶ Discharging current:100A
- ▶ Compatible with multiple inverters
- ▶ RS485/CAN/232 communication
- ▶ Smart BMS and button for easy operation
- ▶ Non-Toxic & Non-Hazardous Cobalt-Free LFP Chemistry

ADVANTAGES



10,000+
Global Residential ESS



10+
Years Delivery experience



TOP 10
Global residential ESS Supplier



1.5GWH
Delivered capacity



20+Countries
Global Deliveries



Flexible battery solutions
150Ah up to 115.2KWH

SCOPE

This specification is applied to the VTC standard wall mount module battery home battery series only.

PRODUCT & MODEL

Product Name : Wall mount ESS Lifepo4 Battery

Model : Vxl 7600w 51.2V 150Ah(7.6KWH)



Mode	Vxl 7600w
Battery Type	Lifepo4 battery
Battery Combination	16S1P
Case Numbers	1 pc
Nominal Characteristic	
Nominal Voltage	51.2V
Battery Capacity	150Ah
Nominal Energy Capacity	7.6KWh
Peak Output Current	100A
Round Trip Efficiency	96%-99%
Electrical Specifications	
Voltage Range	58.4V
Max. Charging Current	100A
Max. Discharging Current	100A
Mechanical Specifications	
Net Weight	75.0kg
Dimension	155mmX860mmX485mm
Color	White
Cooling	Nature
Communication Specifications	
Communication Port	RS485/RS232/CAN
Operation Condition	
Operation Temperature	-20-65°C
Recommended Temperature	0-65°C
Operation Humidity	60%±25%
Storage Conditions	0~40°C
Compliances	
Certification	CE/IEC/UN38.3
Warranty	
Warranty	3 years
Life design	10+ years
Cycle life	
0.2C at room temp	6000+ times(80% DOD)
0.5C at room temp	4000+ times(80% DOD)
1.0C at room temp	2500+ times(80% DOD)
Compatible Inverter Type	All the brand Goodwe, Victron, Growatt, Pylontech, Voltronics, Deye, Inhenergy etc

BATTERY MANAGEMENT SYSTEM

BMS Features

1. This BMS is designed for 16 series lithium battery.
2. This BMS is Features With:
 - Overcharge Detection Function
 - Over Discharge Detection Function
 - Over Current Detection Function
 - Short Detection Function
 - Temperature Detection Function
 - Alarm Function
 - Balance Function
 - Communicate Function

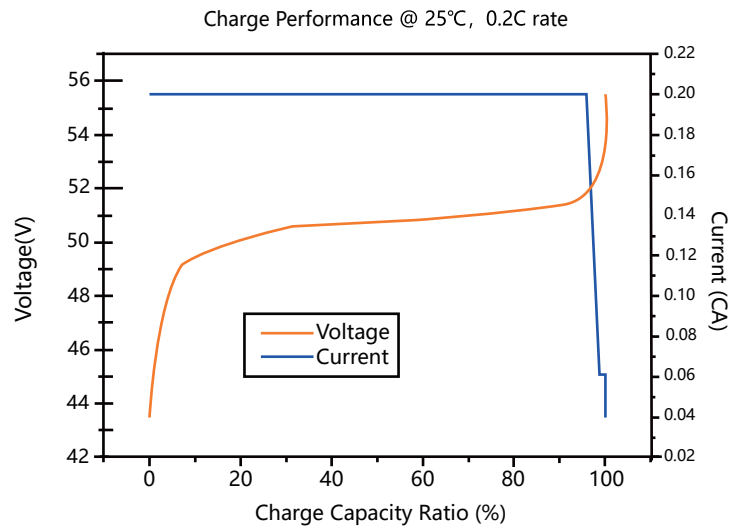
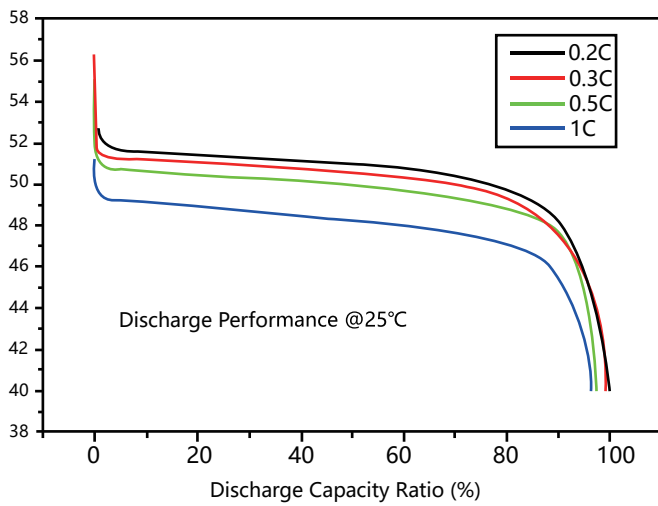
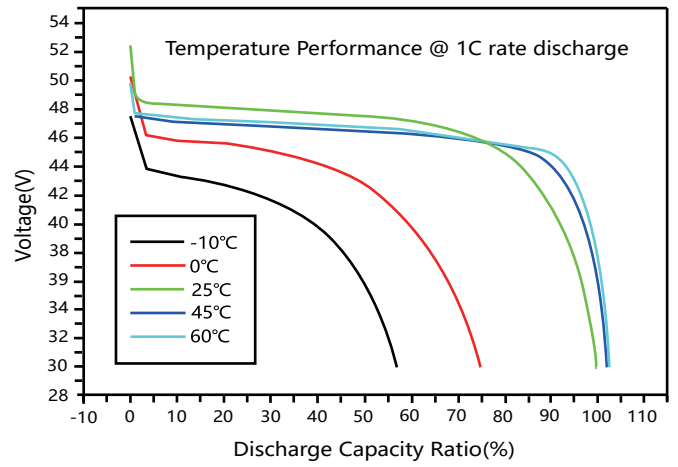
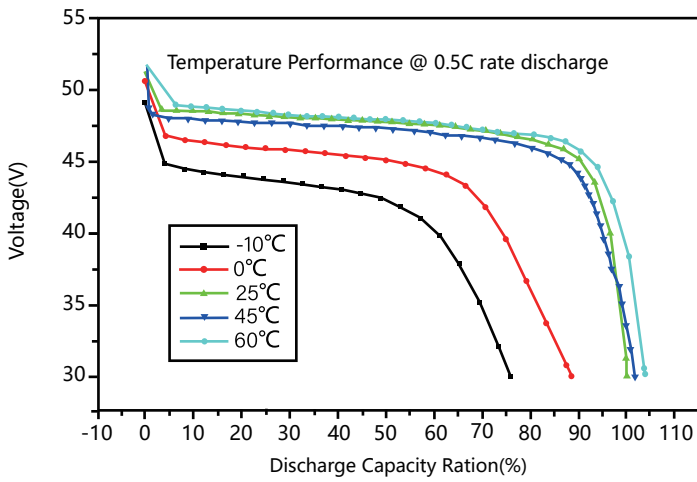


STRATEGIC PARTNERS

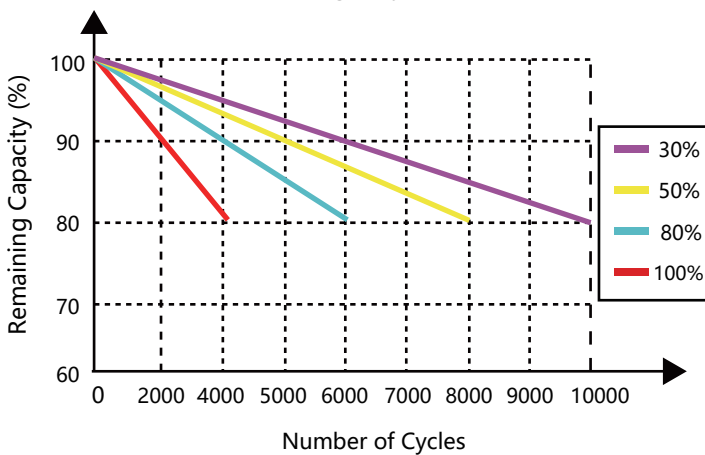


APPENDIX

Discharge & Charge Curve



Different DOD Discharge Cycle Life Curve @0.2C



Different Temperature Self Discharge Curve

