

## 51V Lithium iron Battery(LiFePO4)



Safest lithium battery technology and Multiple safety protection



Lighter Weight



Eco-friendly



20 Years Designed service life



Intelligent balancing function



Longer Life

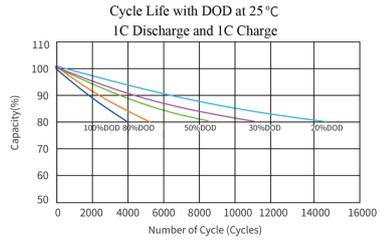
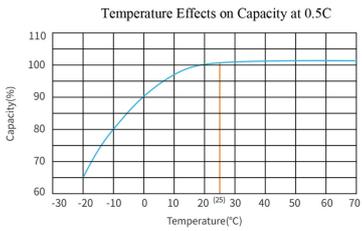
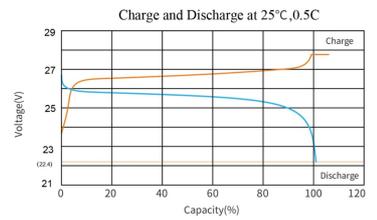
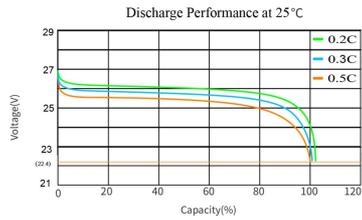
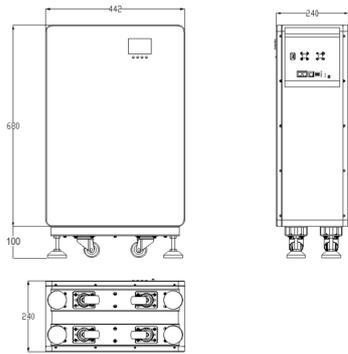
**MODEL** **STM51V305Q-2**

<b>PERFORMANCE</b>	
Cell	Prismatic LFP 305Ah
Rated Charge Current	100A
Rated Discharge Current	150A
Max.Charge Current	200A
Pulse Current	600A(5S)
Short Circuit Current	Approx.2000A
Rated Charge Voltage	54.4~55.2V
Rated Discharge Cut-off Voltage	44.8V
Charge Cut-off Voltage	58.4V
Min.Discharge Cut-off Voltage	>40V
Balancing Voltage	>54.4V
Terminal	Plug terminal
IP Grade	IP21
Self Discharge	<=2%/Month
Cycle Life	4000times(80%DOD)

<b>PERFORMANCE PARAMETERS</b>	
Capacity	305 Ah
Nominal Voltage	51.2V
Energy	15616 Wh
Weight	106 kg
Dimensions	442*780*240mm
Storage Temp	-5°C to 35°C
Discharge Temp	-20°C to 60°C
Charge Temp	0°C to 45°C

<b>BASIC PERFORMANCE</b>	
Certifications	CE/UN38.3/UL1642/IEC62619
Transport Appraisal	UN3480,CLASS 9

Note: Specifications are subject to change without advance notice.



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.