



GreatVolt Torqon

25.6V 100Ah LiFePO4 Battery for RV & Van, Marine & Trolling Motor, Solar & Off-Grid.



IP67
Waterproof



Heating Function



Long
Life



Zero Maintenance



Ultra Safe



Light
Weight



With
Bluetooth



Full Temp Protections



Fast Charging



Pulg&
Play

*100A continuous | 200A surge for 5 seconds | 500A surge for 2 seconds

*Note: This built-in protection will reset after five seconds in most fault conditions. Disconnecting the battery from loads will also reset the BMS.

TORQON TECHNICAL SPECIFICATIONS

Electrical Specifications

Nominal Voltage	25.6V
Nominal Capacity	100Ah
Energy	2560Wh
Self Discharge	2~3% Per Month
Maximum Batteries in Series	2
Maximum Batteries in Parallel	4
Built-in BMS	Internal
Resistance	<26 mΩ
Cell Chemistry	LiFePO4(Lithium Iron-Phosphate)

Charging Specifications

Recommended Charge Current	0.2C/20A
Max Charge Current	50A
BMS Charge Current Protection	105A
Recommended Charge Voltage	29.2V
Reconnect Voltage	@ 26.4V
Balancing Voltage	@ 3.2V Per Cell
Charge Protection Voltage	30V

Discharging Specifications

Max Discharge Current	100A
Discharge Surge Current	200A for 5 seconds
Surge for Loads Over	500A for 2 seconds
Recommended Low Voltage Disconnect	22.4V
BMS Discharge Cut-Off Voltage	20V
Reconnect Voltage	24V
Short Circuit Protection	Yes

Temperature Specifications

Discharge Temperature	-4°F to 149°F (-20°C to 65°C)
Charge Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	32°F to 95°F (0°C to 35°C)
Reconnect Temperature	Discharge 131 °F (55°C) Charge 113 °F (45°C)

Mechanical Specifications

Dimensions	19.01"L X 6.69"W X 9.45"H
Weight	61.73 lbs.
Terminal Type	M8
Terminal Torque	619~974in-lbs (70~110N-m)
Case Material	ABS
Waterproof Level	IP67

Integrated Heating Specifications

Heat	Integrated Heating Technology
Heating ON	Auto ON- > 10A and < 0°C
Heating OFF	Auto OFF- > 5°C
Continuous Power Draw (When Enabled)	150W
Required Minimax Charging Current	>10A

Certifications

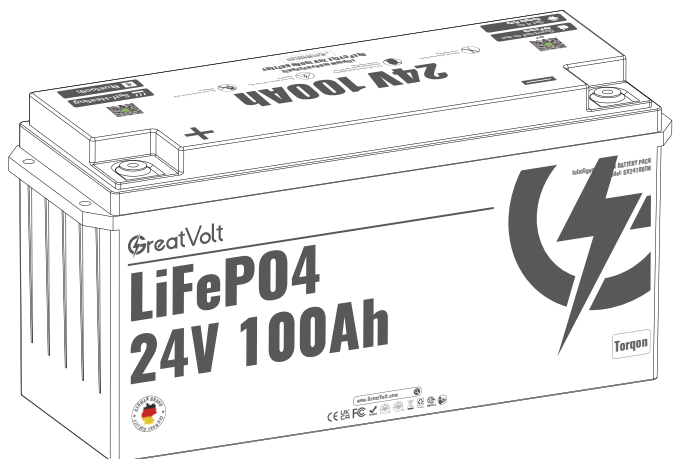
Certifications	UL1973,UL9540A,IEC62619 for cells MSDS for shipping UN38.3
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Communication Protocols

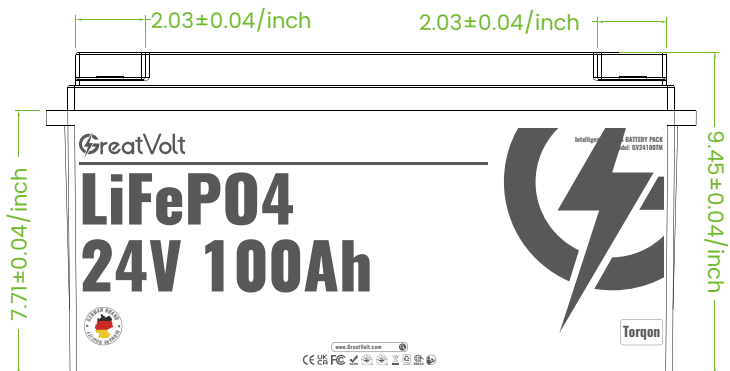
CAN	×
RS485	×
UART	×
Bluetooth	✓

- * Heating - Charging in Subzero Weather will Automatilly turn on heating function.
- * Storage - Please keep the battery in the cool and dry environment: Within 1 month -5°C~35°C or Within 6 months 0°C~35°C, relative humidity ≤75%, please charge the battery pack (around 50% SOC) regularly (every 60~90 days) to keep its chemistry active and longer lifespan. Long shelf time without charging the battery, the battery may completely depleted or totally died. Please DO remove the battery from your device when battery NOT IN USE for long time.

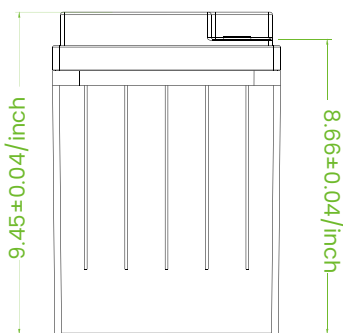
MICCHANICAL DRAWING



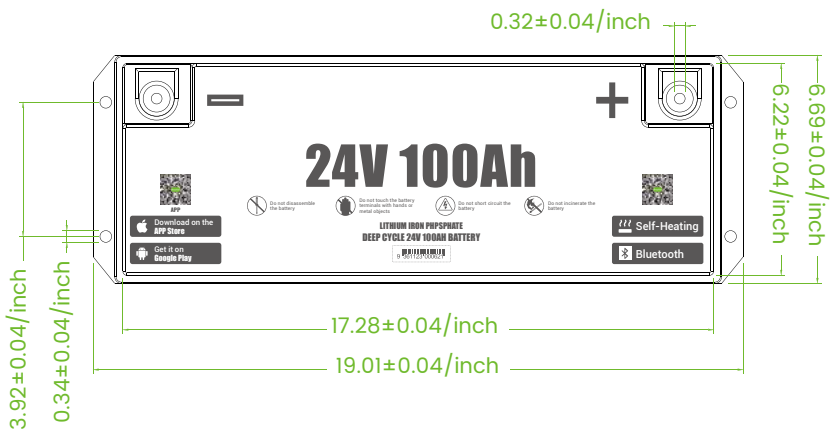
Perspective



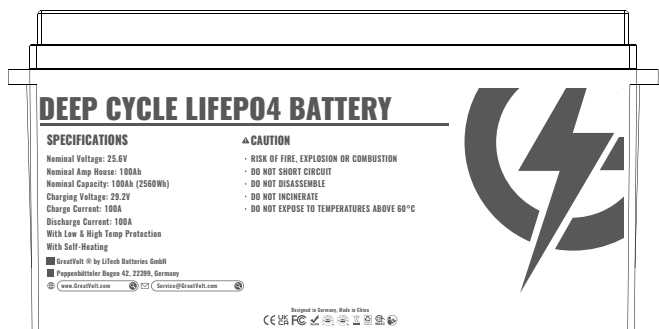
Front view



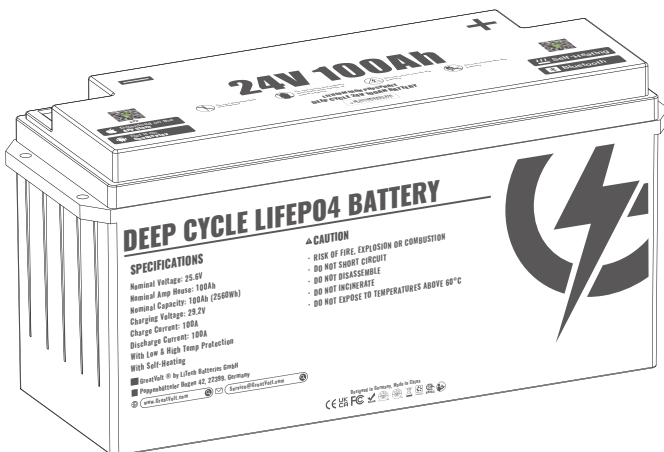
Side view



Top view



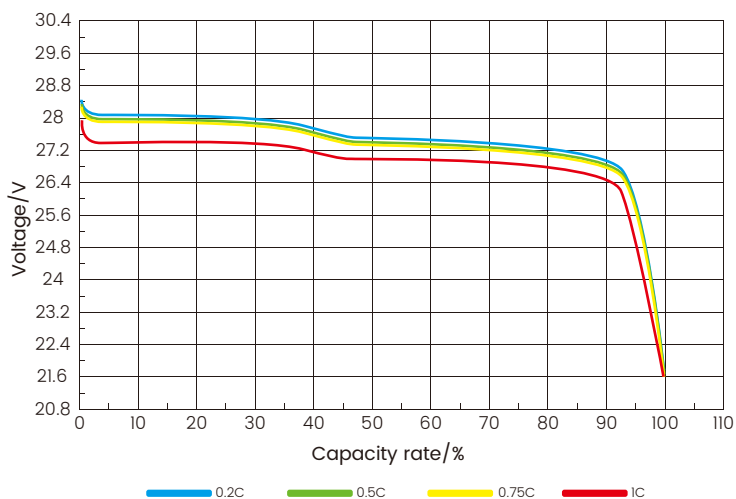
Rear view



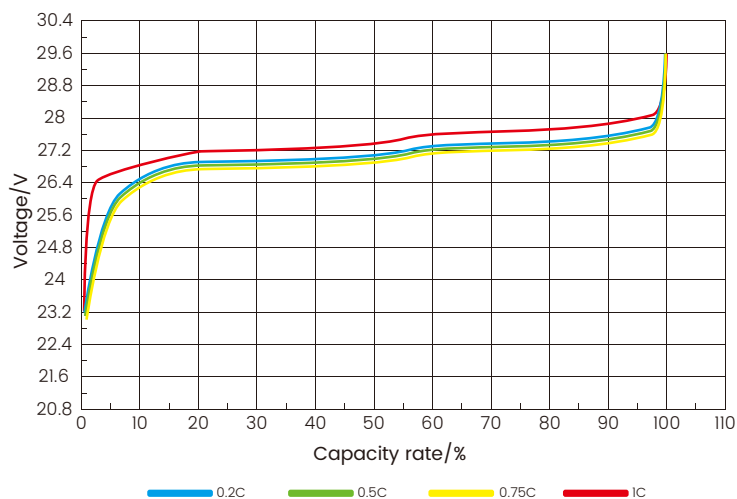
Perspective

RATE CHARGE-DISCHARGE CURVE

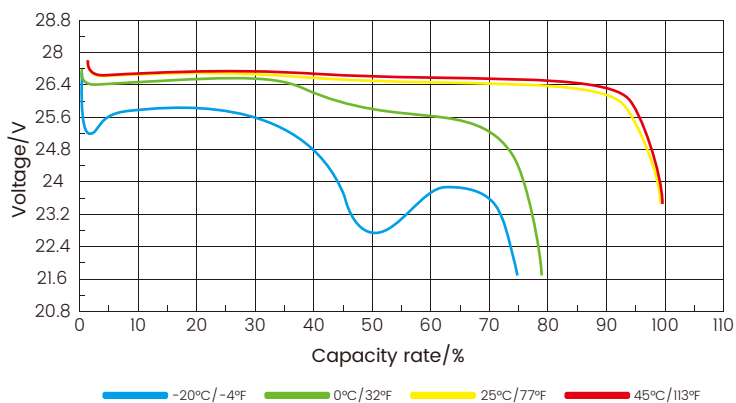
Discharge tests were performed at 25°C/77°F



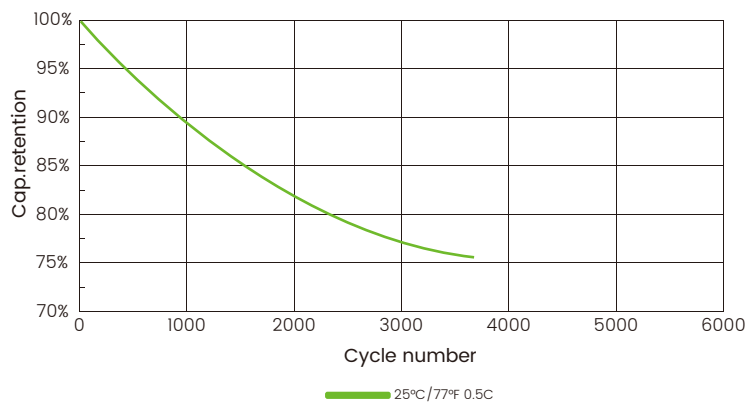
Charge tests were performed at 25°C/77°F



0.2C High and low temperature discharge



0.5C Cycle curve



PERFORMED OPERATION DATA FOR HEATED BATTERIES

Heating data at different temperatures (charging heating)

