Volthium

Alimentez le futur
Powering the future

TECHNICAL SHEET
51.2 V 100 Ah



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Before using your Volthium battery, please read the user manual and the datasheet specific to your battery.
You can find these documents by clicking on the following link: https://volthium.com/en/documents/
Any improper use of the product may void its warranty.
For any additional questions, please contact Volthium technical support.

ELECTRICAL SPECIFICATIONS	
Voltage	51.2 volt
Capacity	100 Ah
Capacity @ 20A	300 min
Energy	5120 Wh
Self-discharge	< 1% per month
Maximum unit in series	Contact us
Maximum unit in parallel	16

CHARGE SPECIFICATIONS	
Recommended charge current	60 A
Maximum charge current	80 A
Recommended charge voltage	56 V (Bulk) | 54.4 V (Float)

DISCHARGE SPECIFICATIONS	
Continuous discharge current	125 A
BMS – Discharge disconnect voltage	43.2 V
BMS – Discharge reconnection voltage	48 V
Short circuit protection	Yes

TEMPERATURE SPECIFICATIONS	
Discharge temperature	From -20 to 65°C
Charging temperature	From 0 to 45°C

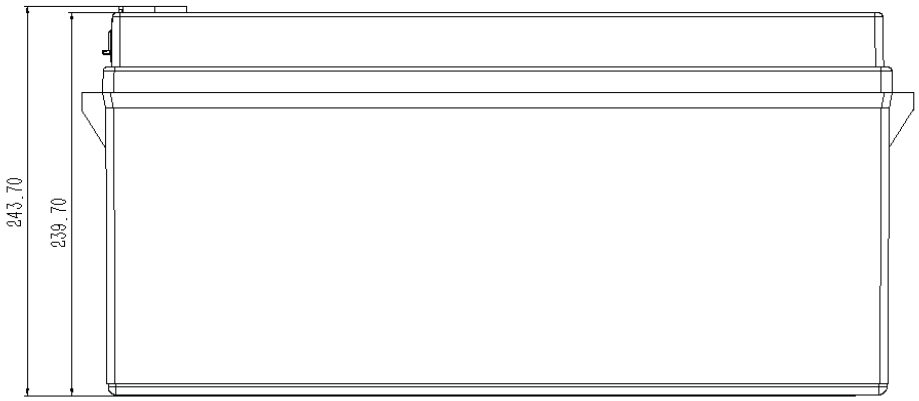
STORAGE SPECIFICATIONS	
Storage temperature	From -20 to 45°C
Storage voltage	From 52.4 V to 53.6 V

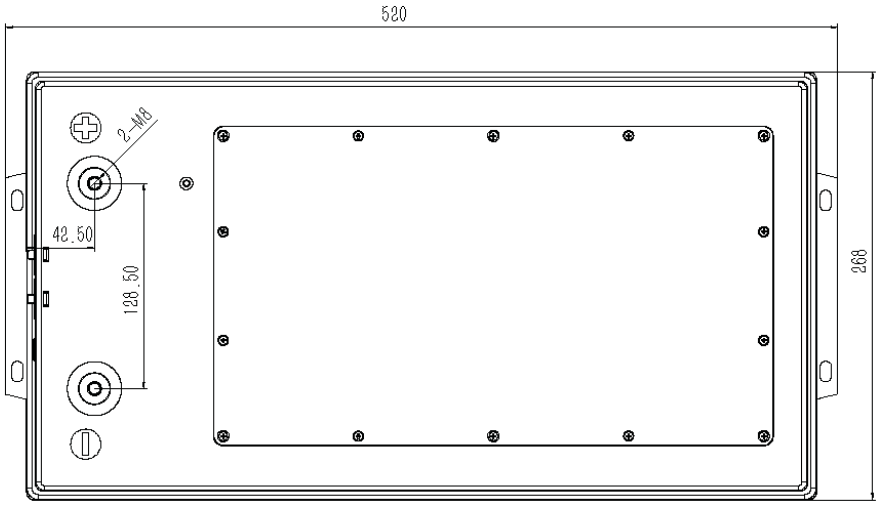
COMMUNICATIONS SPECIFICATIONS	
Bluetooth	Optional
Communication ports	RS485 / CAN
LCD screen	No
Volthium CAN Hub Communication (VE.CAN)	Compatible

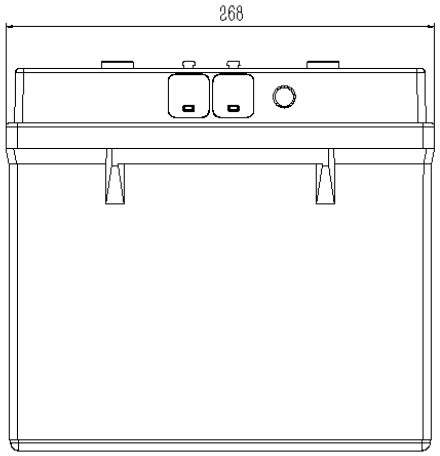
NUMBER OF CYCLES ACCORDING TO THE AVERAGE DISCHARGE % OF USE	
30% discharge	8200 < cycles
80% discharge	6000 < cycles
100% discharge	3500 < cycles

MECHANICAL SPECIFICATIONS	
Dimensions	520 X 268 X 243,7 mm | 20.5 X 10.5 X 9.6 po
Group / format	GR8D
Weight	47.2kg | 104 lbs
Terminal Type	M8
Tightening torque on terminals	8~10nm / 6-8 ft/lb
Ingress protection rating	IP55 (Against low-pressure water jets and dust)

CERTIFICATIONS & DESIGN	
Design	16S1P
Certifications	Full Pack Assembly ETL SP-1000 | Cells UL1973 & CSA UL9540A | IEC62619 | IEC62660 | Breaker UL1077 @ CSA C22.2 No. 235-04 | Terminal UL1977
Shipping classification	UN 3480 | CLASS 9
Cell type	SquareCell - LiFePO4


243.70
239.70


530
2-M8
42.50
128.50
268


268