Volthium

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Powering the future

TECHNICAL SHEET
12 V 24 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	12.8 volt
Capacity	24 Ah
Capacity @ 20A	72 min
Energy	308 Wh
Self-discharge	< 3% per month
Maximum unit in series	2
Maximum unit in parallel	4

CHARGE SPECIFICATIONS	
Recommended charge current	1 A - 20 A
Maximum charge current	20 A
Recommended charge voltage	14.2 V - 14.6 V (Bulk) | 13.6 V (Float)

DISCHARGE SPECIFICATIONS	
Continuous discharge current	20 A
BMS – Discharge disconnect voltage	10 V
BMS – Discharge reconnection voltage	11.5 V
Short circuit protection	Yes

TEMPERATURE SPECIFICATIONS	
Discharge temperature	From -30 to 60°C
Charging temperature	From 0 to 45°C

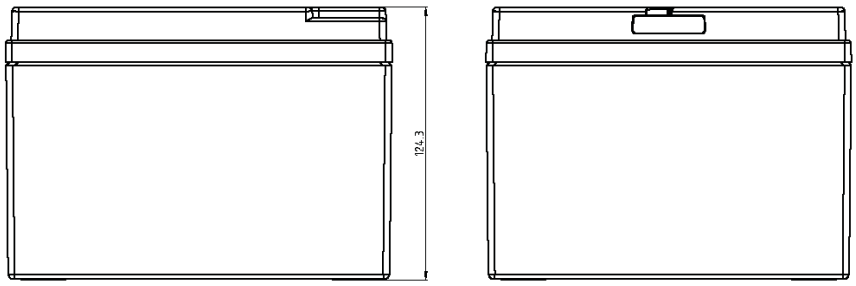
STORAGE SPECIFICATIONS	
Storage temperature	From -20 to 45°C
Storage voltage	From 13.1 V to 13.3 V

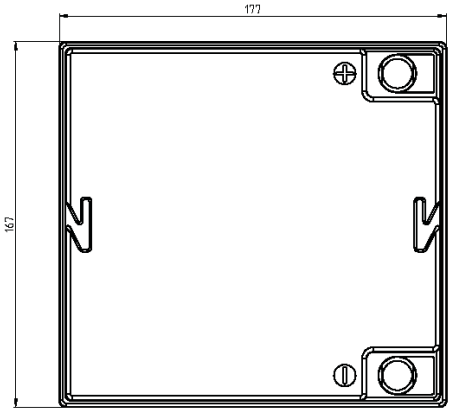
COMMUNICATIONS SPECIFICATIONS	
Bluetooth	No
Communication ports	No
LCD screen	No
Volthium CAN Hub Communication (VE.CAN)	No

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	167 X 124,3 X 177 mm | 6.6 X 4.9 X 6.9 po
Group / format	N/A
Weight	3.6kg | 8 lbs
Terminal Type	M6
Tightening torque on terminals	8 nm | 6ft/lb
Ingress protection rating	IP55 (Against low-pressure water jets and dust)

CERTIFICATIONS & DESIGN	
Design	4S1P
Certifications	Cells: UL1642
Shipping classification	UN 3480 | CLASS 9
Cell type	Cylindrical - LiFePO4 – 25 Ah 3.2 V Grade A+


124.3


177
167

