Volthium

Alimentez le futur
Powering the future

TECHNICAL SHEET
12 V 150 Ah



Volthium Energy inc. | T. 514.989.9586 | info@volthium.com | www.volthium.com

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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	150 Ah
Capacity @ 20A	450 min
Energy	1920 Wh
Self-discharge	< 3% per month
Maximum unit in series	4
Maximum unit in parallel	4

CHARGE SPECIFICATIONS	
Recommended charge current	5 A - 80 A
Maximum charge current	80 A
Recommended charge voltage	14.2 V - 14.6 V (Bulk) | 13.6 V (Float)

DISCHARGE SPECIFICATIONS	
Continuous discharge current	150 A
BMS – Discharge disconnect voltage	10 V
BMS – Discharge reconnection voltage	11.2 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

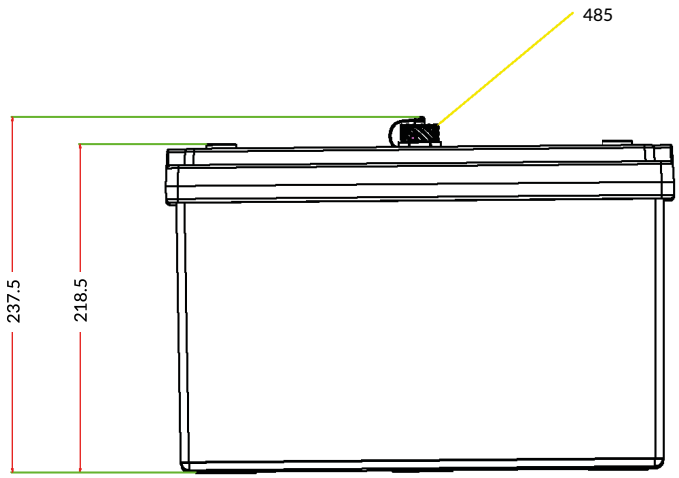
COMMUNICATIONS SPECIFICATIONS	
Bluetooth	Optional
Communication ports	RS485
LCD screen	No
Volthium CAN Hub Communication (VE.CAN)	Compatible

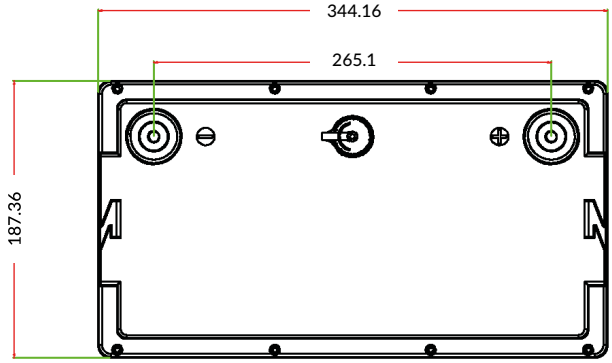
HEATING SPECIFICATIONS	
Activation temperature	From -35 to 11°C
Activation current	6 A
Heating current	4 A
System activation mode	Automatic

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	344,16 X 187,36 X 237,5 mm | 13.55 X 7.4 X 9.35 po
Group / format	GR31
Weight	17.2kg | 38 lbs
Terminal Type	M8
Tightening torque on terminals	8~10nm / 6-8 ft/lb
Ingress protection rating	IP66 (Contre les jets d'eau à basse pression et les poussières)

CERTIFICATIONS & DESIGN	
Design	4S1P
Certifications	Cells UL1973
Shipping classification	UN 3480 | CLASS 9
Cell type	SquareCell - LiFePO4 - 150 Ah - 3.2 V - Grade A+


485
237.5
218.5


344.16
265.1
187.36

