

TECHNICAL SHEET

12 V 155 Ah PLUS



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	155 Ah
Capacity @ 20A	465 min
Energy	1984 Wh
Self-discharge	< 3% per month
Maximum unit in series	4
Maximum unit in parallel	4

CHARGE SPECIFICATIONS	
Maximum continuous charge current	100 A
Recommended charge voltage	14.2 V - 14.6 V (Bulk) 13.6 - 13.8 V (Float)

DISCHARGE SPECIFICATIONS	
Maximum continuous discharge current	130A
Allowed max. discharge current	200A@30S/500A@3S
BMS - Discharge disconnect voltage	10 V
BMS - Discharge reconnection voltage	12 V
Short circuit protection	1000 A / 500 us

TEMPERATURE SPECIFICATIONS

Discharge temperature	From -20 to 60°C
Charging temperature	From -20 to 60°C

STORAGE SPECIFICATIONS

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

COMMUNICATIONS SPECIFICATIONS

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

HEATING SPECIFICATIONS

Activation temperature	From -35 to 11°C
Activation current	6 A
Heating current	3 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	260 X 168 X 217 mm 10.24 X 6.61 X 9.5 po
Group / format	GR24
Weight	14.5 kg 30.8 lbs
Terminal Type	M8 bolt 8-10 N.M
Tightening torque on terminals	N/A
Ingress protection rating	IP66

CERTIFICATIONS & DESIGN

Design	4S1P
Certifications	Battery UL2054
Shipping classification	UN 3480 CLASS 9
Cell type	SquareCell - LiFePO4 - 155 Ah - 3.2 V - Grade A+

