

TECHNICAL SHEET

12 V 200 Ah



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	200 Ah
Capacity @ 20A	600 min
Energy	2560 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	150 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	12 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	9 A
Heating current	6.7 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	482 X 245,3 X 170 mm 19 X 9.66 X 6.7 po
Group / format	GR4D
Weight	22.7kg 50 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	4S2P
Certifications	Cells : UL1642 / UL1973 / UL9540A / IEC62619 / IEC62660
Shipping classification	UN 3480 CLASS 9
Cell type	SquareCell - LiFePO4 - 102 Ah - 3.2 V - Grade A+

