

TECHNICAL SHEET

12 V 10 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	10 Ah
Capacity @ 10 A	60 min
Energy	128 Wh
Self-discharge	<3% per month
Maximum unit in series	N/A
Maximum unit in parallel	N/A

CHARGE SPECIFICATIONS

Recommended charge current	5 A
Maximum charge current	10 A
Recommended charge voltage	14.2 V - 14.6 V (Bulk) 13.6 V (Float)

DISCHARGE SPECIFICATIONS

Recommended discharge current	5 A
BMS - Discharge disconnect voltage	10 V
BMS - Discharge reconnection voltage	10.8 V
Short circuit protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge temperature	From -20 to 60 °C
Charging temperature	From 0 to 55 °C

STORAGE SPECIFICATIONS

Storage temperature	From -10 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	151 X 65 X 94 mm 5.95 X 2.56 X 3.7 po
Group / format	N/A
Weight	1.3 kg / 2.9 lbs
Terminal Type	Tabs
Tightening torque on terminals	N/A
Ingress protection rating	IP20 (Against solid objects larger than 12 mm)

CERTIFICATIONS & DESIGN

Design	N/A
Certifications	Cells : UL1642
Shipping classification	UN 3480 CLASS 9
Cell type	Cylindric - LiFePO4 - 15 Ah 3.2 V - Grade A+