Volthium

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Powering the future

TECHNICAL SHEET
12 V 10 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	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+