Volthium

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TECHNICAL SHEET
24 V 200 Ah - RACKMOUNT 3U



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	25.6 volt
Capacity	200 Ah
Capacity @ 20A	600 min
Energy	5120 Wh
Self-discharge	< 1% per month
Maximum unit in series	0
Maximum unit in parallel	32

CHARGE SPECIFICATIONS	
Recommended charge current	≤50 A
Maximum charge current	70 A
Recommended charge voltage	28 V (Bulk) | 27.3 V (Float)

DISCHARGE SPECIFICATIONS	
Continuous discharge current	100 A
BMS – Discharge disconnect voltage	24 V
BMS – Discharge reconnection voltage	26 V
Short circuit protection	Yes
Peak discharge current	119 A for 5 minutes

TEMPERATURE SPECIFICATIONS	
Discharge temperature	From -10 to 50°C
Charging temperature	From -10 to 50°C

STORAGE SPECIFICATIONS	
Storage temperature	From -10 to 45°C
Storage voltage	From 26.2 V to 26.6 V

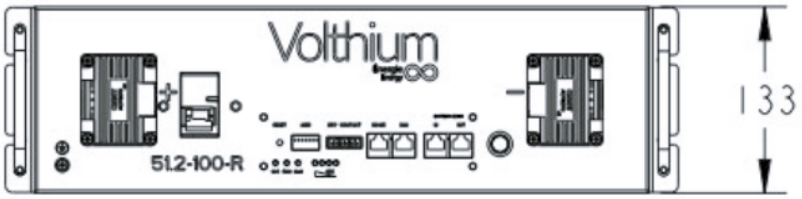
COMMUNICATIONS SPECIFICATIONS	
Bluetooth	No
Communication ports	2x RS485 | 2x Batt. Com. | 1x CAN
LCD screen	No
Volthium CAN Hub Communication (VE.CAN)	Compatible

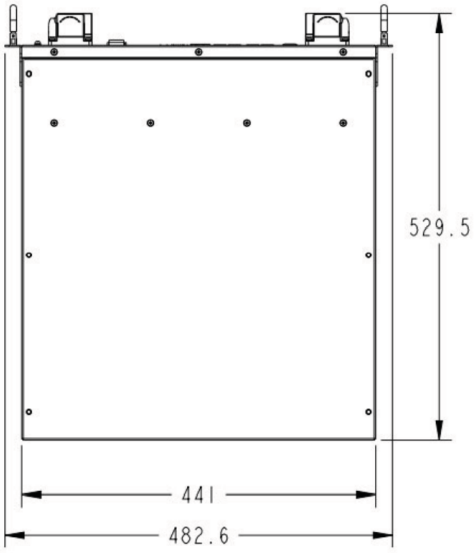
HEATING SPECIFICATIONS	
Activation temperature	From -45 to 11°C
Activation current	6 A
Heating current	4 A
System activation mode	Automatic

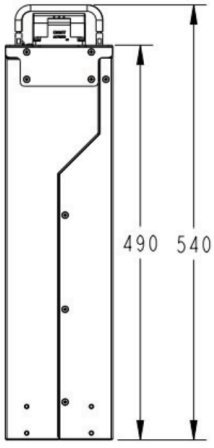
NUMBER OF CYCLES ACCORDING TO THE AVERAGE DISCHARGE % OF USE	
30% discharge	8200 < cycles
80% discharge	6000 < cycles
100% discharge	3500 < cycles

MECHANICAL SPECIFICATIONS	
Dimensions	482 X 133.5 X 460 mm | 18.9 X 5.2 X 18.1 po
Group / format	3U
Weight	46kg | 101 lbs
Terminal Type	M10
Tightening torque on terminals	8~10nm / 6-8 ft/lb
Ingress protection rating	IP20 (Against solid objects larger than 12 mm)

CERTIFICATIONS & DESIGN	
Design	8S2P
Certifications	ETL UL1973 3rd Edition / UL9540A / Full battery SPE-1000 ($)
Shipping classification	UN 3480 | CLASS 9
Cell type	SquareCell - LiFePO4 - 3.2 V - 100 Ah


Volthium
51.2-100-R
133


529.5
441
482.6


490
540