Volthium

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Powering the future

TECHNICAL SHEET
RACKMOUNT 10KW
51.2 V 200 Ah



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	51.2 volt
Capacity	200 Ah
Capacity @ 20A	600 min
Energy	10240 Wh
Self-discharge	< 1% per month
Maximum unit in series	Contact us
Maximum unit in parallel	16 (per bank) x 5 banks

CHARGE SPECIFICATIONS	
Recommended charge current	100 A
Maximum charge current	125 A
Recommended charge voltage	56 V (Bulk) | 54.4 V (Float)

DISCHARGE SPECIFICATIONS	
Continuous discharge current	125 A
BMS – Discharge disconnect voltage	43.2 V
BMS – Discharge reconnection voltage	48 V
Short circuit protection	Yes

TEMPERATURE SPECIFICATIONS	
Discharge temperature	From -20 to 65°C
Charging temperature	From 0 to 45°C

STORAGE SPECIFICATIONS	
Storage temperature	From -20 to 45°C
Storage voltage	From 52.4 V to 53.6 V

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

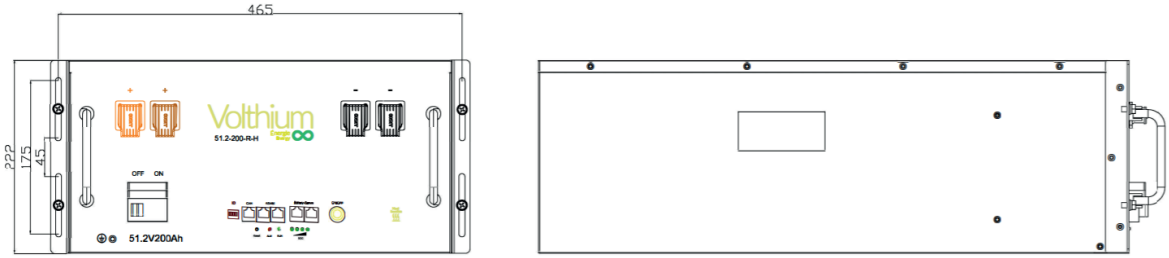
HEATING SPECIFICATIONS	
Activation temperature	From -30 to 11°C
Activation current	8 A
Heating current	5.5 A
System activation mode	Automatic

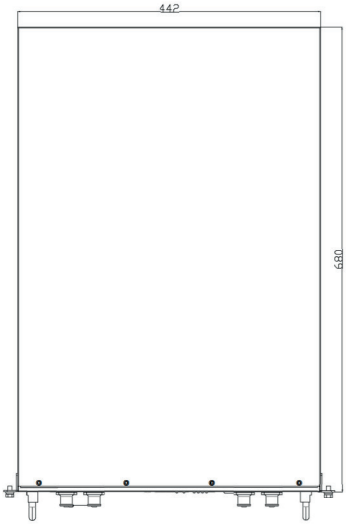
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NUMBER OF CYCLES ACCORDING TO THE AVERAGE DISCHARGE % OF USE	
30% discharge	8200 < cycles
80% discharge	6000 < cycles
100% discharge	3500 < cycles

MECHANICAL SPECIFICATIONS	
Dimensions	465 X 680 X 222 mm | 19 X 27 X 8.7 po
Group / format	5U
Weight	94kg | 208 lbs
Terminal Type	M8 OR Surlok (SLPPB35BNO)
Tightening torque on terminals	8~10nm / 6-8 ft/lb
Ingress protection rating	IP20 (Against solid objects larger than 12 mm)

CERTIFICATIONS & DESIGN	
Design	16S2P
Certifications	Full Pack Assembly CSA UL1973 3rd Edition | Cells UL1973 & CSA UL9540A | IEC62619 | IEC62660 |Breaker UL1077@CSAC22.2 No. 235-04 | Terminal UL1977
Shipping classification	UN 3480 | CLASS 9
Cell type	SquareCell - LiFePO4


465
222
175
45
Volthium
51.2-200-R-H
OFF ON
51.2V200Ah


442
680

