Volthium

Alimentez le futur
Powering the future

TECHNICAL SHEET
RACKMOUNT 16 KW
51.2 V 314 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	51.2 volt
Capacity	314 Ah
Capacity @ 20A	942 min
Energy	16.1 KWh
Self-discharge	< 3% per month
Maximum unit in series	Contact us
Maximum unit in parallel	Contact us

CHARGE SPECIFICATIONS	
Maximum continuous charge current	200 A
Recommended charge voltage	56 V

DISCHARGE SPECIFICATIONS	
Maximum continuous discharge current	230 A
Peak/Surge current limit	270 A for 15 seconds
BMS – Discharge disconnect voltage	≈ 44.8 V
BMS – Discharge reconnection voltage	≈ 51.2 V
Short circuit protection	Yes

TEMPERATURE SPECIFICATIONS	
Discharge temperature	From -20 to 50°C
Charging temperature	From -20 to 50°C

STORAGE SPECIFICATIONS	
Storage temperature	From -10 to 45°C
Storage voltage	From 52.4 V to 53.6 V

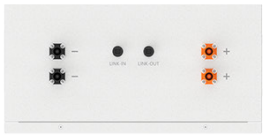
SPÉCIFICATIONS COMMUNICATIONS	
Bluetooth	No
Communication ports	RS485 | CAN
LCD screen	Non
Volthium CAN Hub Communication (VE.CAN)	Compatible

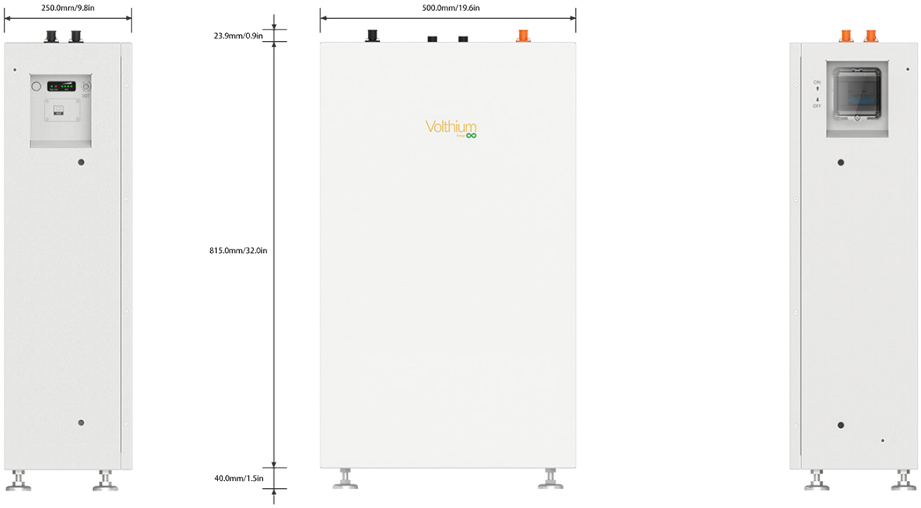
HEATING SPECIFICATIONS	
Activation temperature	From -20 to 5°C
Activation current	5 A
Heating current	4 A
System activation mode	Automatic

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	545 X 253 X 890 mm | 21.5 X 10 X 35 po
Group / format	N/A
Weight	138kg | 304 lbs
Terminal Type	M8 OU Surlok (SLPPB35BNO)
Tightening torque on terminals	8~10nm / 6-8 ft/lb
Ingress protection rating	IP65 (Against solid objects larger than 12 mm)

CERTIFICATIONS & DESIGN	
Conception	16S1P
Certifications	UL1973 / UL9540A / UL9540 DC ESS
Shipping classification	UN 3480 | CLASS 9
Cell type	SquareCell - LiFePO4




250.0mm/9.8in
23.9mm/0.9in
815.0mm/32.0in
40.0mm/1.5in
500.0mm/19.6in
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