

TECHNICAL SHEET

RACKMOUNT

51.2 V 100 AH - 3U



ELECTRICAL SPECIFICATIONS

Voltage	51.2 volt
Capacity	100 Ah
Capacity @ 20A	300 min
Energy	5120 Wh
Auto-discharge	<1% per month
Maximum unit in series	Contact us
Maximum unit in parallel	32

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 52.4V to 53.6V

CHARGE SPECIFICATIONS

Recommended Charge Current	50 A
Maximum Charge Current	70 A
Recommended Charge Voltage	56 V (Bulk) 54.6 V (Float)

COMMUNICATIONS SPECIFICATIONS

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

DISCHARGE SPECIFICATIONS

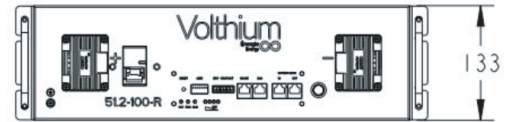
Continuous discharge current	≤50 A
BMS - Discharge disconnect voltage	48 V
BMS - Discharge reconnection voltage	52 V
Short circuit protection	Yes

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	529.5 X 482.6 X 133 mm 21 X 19 X 5.3 po
Group / format	3U
Weight	45.8kg / 101 lbs
Terminal Type	M10
Tightening torque on terminals	8~10nm / 6-8 ft/lb



CERTIFICATIONS & DESIGN

Design	16S1P
Certifications	Module : Full ETL UL1973 3rd Edition, UL9540A. Full Battery Bank Certified UL9540
Shipping Classification	UN 3480 CLASS 9
Cell type	SquareCell - LiFePO4

