

TECHNICAL SHEET

24V 100AH BATTERY



Bluetooth (with Volthium Bluetooth Dongle \$)



Self-Heating (optional \$)



ELECTRICAL SPECIFICATIONS

Voltage	25.6 volt
Capacity	100 Ah
Capacity @ 20A	1230 min
Energy	2560 Wh
Auto-discharge	<3% per month
Maximum unit in series	0
Maximum unit in parallel	6

CHARGE SPECIFICATIONS

Recommended Charge Current	5 A - 80 A
Maximum Charge Current	80 A
Recommended Charge Voltage	28.4 V - 29.2 V (Bulk) 27.2 V (Float)

DISCHARGE SPECIFICATIONS

Continuous discharge current	150 A
BMS - Discharge disconnect voltage	20 V
BMS - Discharge reconnection voltage	24 V
Short circuit protection	Yes

TEMPERATURE SPECIFICATIONS

Discharge temperature	From -30 to 60°C
Charging temperature	From 0 to 45°C

STORAGE SPECIFICATIONS

Storage temperature	From -20 to 45°C
Storage voltage	From 26.2V to 26.6V

COMMUNICATIONS SPECIFICATIONS

Bluetooth	Dongle BT require (accessory)
Communication ports	SMBUS / RS485
LCD screen	No
Volthium CAN Hub Communication (VE.CAN)	Compatible

HEATING SPECIFICATIONS (OPTIONAL)

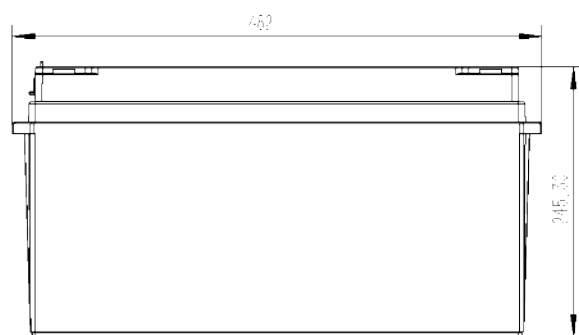
Activation temperature	From -35 to 11 °C
Activation current	4.5 A
Heating current	3.7 A
System activation mode	Manual

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 245,3 X 170 mm 19 X 9.66 X 6.7 po
Group / format	GR8D
Weight	22.7kg / 50 lbs
Terminal Type	M8
Tightening torque on terminals	8~10nm / 6-8 ft/lb



CERTIFICATIONS & DESIGN

Design	8S1P
Certifications	Cells : UL1642 / UL1973 /UL9540A / IEC62619 / IEC62660
Shipping Classification	UN 3480 CLASS 9
Cell type	SquareCell - LiFePO4 - 3.2V - Grade A+

