

# TECHNICAL SHEET

## 12V 100AH BATTERY



Bluetooth (with Volthium Bluetooth Dongle \$)



Self-Heating (optional \$)



## ELECTRICAL SPECIFICATIONS

Voltage	12.8 volt
Capacity	100 Ah
Capacity @ 20A	300 min
Energy	1280 Wh
Auto-discharge	<3% per month
Maximum unit in series	4
Maximum unit in parallel	4

## STORAGE SPECIFICATIONS

Storage temperature	From -20 to 45°C
Storage voltage	From 13.1V to 13.3V

## SPÉCIFICATIONS COMMUNICATIONS

Bluetooth	Dongle BT required (accessory)
Communication ports	RS485
LCD screen	Yes
Volthium CAN Hub Communication (VE.CAN)	Compatible

## CHARGE SPECIFICATIONS

Recommended Charge Current	5 A - 50 A
Maximum Charge Current	100 A
Recommended Charge Voltage	14.2 V - 14.6 V (Bulk) 13.6 V (Float)

## HEATING SPECIFICATIONS (OPTIONAL)

Activation temperature	From -35 to 11 °C
Activation current	6 A
Heating current	4 A
System activation mode	Manual

## DISCHARGE SPECIFICATIONS

Continuous discharge current	100 A
BMS - Discharge disconnect voltage	10 V
BMS - Discharge reconnection voltage	12 V
Short circuit protection	Yes

## NUMBER OF CYCLES ACCORDING TO THE AVERAGE DISCHARGE % OF USE

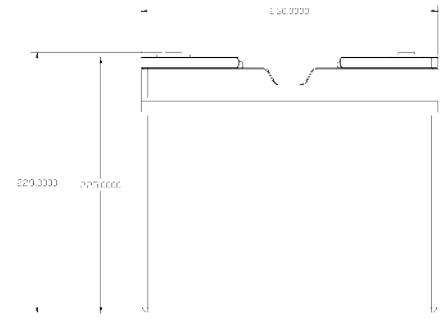
30% discharge	8200 < cycles
80% discharge	6000 < cycles
100% discharge	3500 < cycles

## TEMPERATURE SPECIFICATIONS

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

## MECHANICAL SPECIFICATIONS

Dimensions	260 X 168 X 229 mm 10.24 X 6.62 X 9 po
Group / format	GR24
Weight	11.3kg / 25 lbs
Terminal Type	M8
Tightening torque on terminals	N/A



## CERTIFICATIONS & DESIGN

Design	4S1P
Certifications	CE   UL1973   RoHS
Shipping Classification	UN 3480   CLASS 9
Cell type	SquareCell - LiFePO4 - 3.2V - 100A Grade A+

