

# TECHNICAL SHEET

## 12V 14AH BATTERY



## ELECTRICAL SPECIFICATIONS

Voltage	12.8 volt
Capacity	14 Ah
Capacity @ 20A	65 min
Energy	180 Wh
Auto-discharge	<3% per month
Maximum unit in series	2
Maximum unit in parallel	4

## DISCHARGE SPECIFICATIONS

Continuous discharge current	3 A
Peak discharge current	10 A
BMS – Disconnect charge current	30 A
BMS - Low voltage reconnect	10 V
Low voltage reconnect	10.8 V
Short circuit protection	Yes
Soft-Start Resistor (Avoid inrush)	No

## CHARGE SPECIFICATIONS

Recommended Charge Current	1 A - 3 A (14.6 V - 3 A)
Maximum Charge Current	10 A
Recommended Charge Voltage	14.2 V - 14.6 V (Bulk) 13.6 V (Float)
High Voltage Disconnect	15.6 V
High Voltage Reconnect	14.4 V

## COMMUNICATIONS SPECIFICATIONS

Bluetooth	No
Communication ports	No
LCD screen with battery voltage displayed	No
Volthium CAN Hub Communication (VE.CAN)	No
Volthium Bluetooth Dongle	No

## TEMPERATURE SPECIFICATIONS

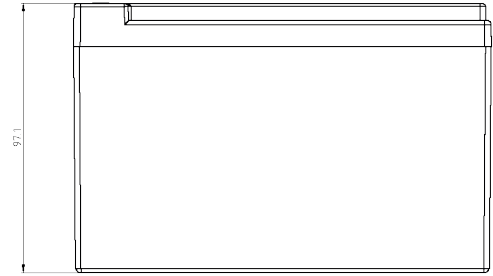
Discharge Temperature	-20 to 60 °C
Charge Temperature	0 to 45 °C
High Disconnect Temperature	60 °C
High Reconnect Temperature	55 °C
Storage Temperature	-10 to 50 °C

## NUMBER OF CYCLES ACCORDING TO THE DISCHARGE %

Discharge 30%	8200 < cycles
Discharge 80%	6000 < cycles
Discharge 100%	3000 < cycles

## MECHANICAL SPECIFICATIONS

Dimensions (LxWxH)	151 X 98 X 97 mm 5.95 X 3.86 X 3.81 po
Weight	1.4kg / 3 lbs
Terminal Type	tabs
Ingress Protection Marking	IP55



## CERTIFICATIONS & CONCEPTION

Certifications	CELLS: UL1642
Shipping Classification	UN 3480   CLASS 9
Cell Type	Cylindrical - LiFePO4 - 15 AH - 3.2V Grade A+
Conception	4S1P

