

# TECHNICAL SHEET

## 12V 400AH BATTERY



Bluetooth (with Volthium Bluetooth Dongle \$)



Self-Heating (optional \$)



## ELECTRICAL SPECIFICATIONS

Voltage	12.8 volt
Capacity	400 Ah
Capacity @ 20A	1230 min
Energy	5120 Wh
Auto-discharge	<3% per month
Maximum unit in series	4
Maximum unit in parallel	4

## CHARGE SPECIFICATIONS

Recommended charge current	5 A - 80 A (14.6V - 80A)
Maximum charging current	150 A (205 A for 1s)
Recommended charging voltages	14.2 V - 14.6 V (Bulk) 13.6 V (Float)
Charging high voltage disconnect	15.4 V (2s)
Charging high voltage reconnect	14.4 V

## DISCHARGE SPECIFICATIONS

Continuous discharge current	250A (& 299A @ 30sec)
Discharge low voltage disconnect	10 V (3s)
Discharge low voltage reconnect	12 V
Short circuit protection	Yes
High temperature disconnect / reconnect	65 °C / 60°C

## TEMPERATURE SPECIFICATIONS

Discharge temperature range	-29 to 60 °C
Charge temperature	0 to 45 °C
Charging low temperature disconnect/reconnect (BMS)	0 °C / 10 °C
Discharge low temperature disconnect / reconnect (BMS)	-30 °C / -20 °C
Storage temperature range	-10 to 50 °C
Storage voltage range	13.1V to 13.4V
High temperature disconnect / reconnect	65 °C / 60 °C

## COMMUNICATIONS SPECIFICATIONS

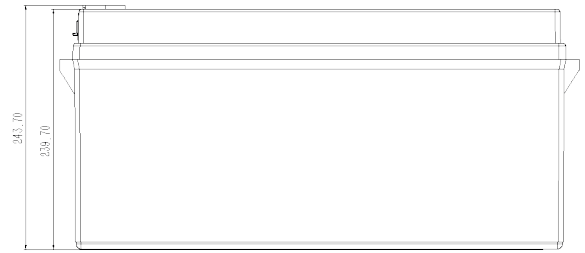
Bluetooth	Dongle BT require (accessory)
Communication ports	RS485
LCD screen with battery voltage displayed	No
Volthium CAN Hub Communication (VE.CAN)	Compatible
Volthium Bluetooth Dongle	Compatible

## AUTOHEATING SPECIFICATIONS (OPTIONAL)

Operation range of self-heating function	-35 to 11 °C
Charging current required to activate	12 A
Charging current required when heating	7 A
Heating activation	Automatic + Manual (Dual)

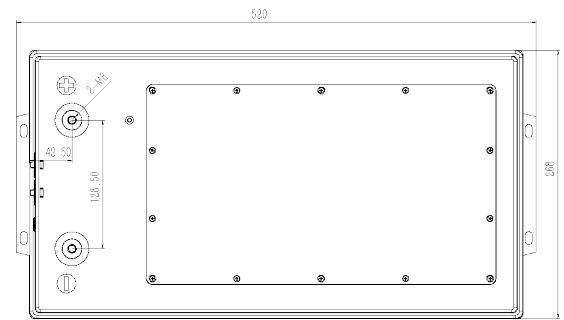
## NUMBER OF CYCLES ACCORDING TO THE DISCHARGE %

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



## MECHANICAL SPECIFICATIONS

Dimensions (LxWxH) Group 8D	520 X 268 X 243,7 mm 20.47 X 10.55 X 9.6 po
Weight	104 lbs / 47 KG
Terminal type	M8
Battery format	ABS 8D
Terminal torque requirement	8~10nm / 6-8 ft/lb



## CERTIFICATIONS & CONCEPTION

Conception	4S4P
Certifications	Cells : UL1642 / ul1973 /ul9540A / IEC62619 / IEC62660
Shipping classification	UN 3480   CLASS 9
Cell type	SquareCell - LiFePO4 - 102AH - 3.2V Grade A+

