

TECHNICAL SHEET

24V 100AH BATTERY



Bluetooth (with Volthium Bluetooth Dongle \$)



Self-Heating (optional \$)



CHARGE SPECIFICATIONS

Recommended charge current	5 A - 80 A (28.4 V - 60 A)
Maximum charge current	80 A
Recommended charge voltage	28.4 V - 29.2 V (Bulk) 27.2 V (Float)
High voltage disconnect	30.8 V
High voltage reconnect	28.8 V

TEMPERATURE SPECIFICATIONS

Discharge temperature	-25 to 60 °C
Charge temperature	0 to 45 °C
High disconnect temperature	60 °C
High reconnect temperature	55 °C
Storage temperature	-10 to 45 °C

DISCHARGE SPECIFICATIONS

Continuous discharge current	150 A
Peak discharge current	200 A (30s)
Disconnect charge current	300 A (1s)
Low voltage disconnect	20 V
Low voltage reconnect	24 V
Short circuit protection	Yes
Soft-Start Resistor (Avoid In-Rush)	Yes

COMMUNICATIONS SPECIFICATIONS

Bluetooth	BT module required (accessory \$)
Communication ports	SMBUS / RS485
LCD screen with battery voltage displayed	No
Volthium CAN Hub Communication (VE.CAN)	Compatible

ELECTRICAL SPECIFICATIONS

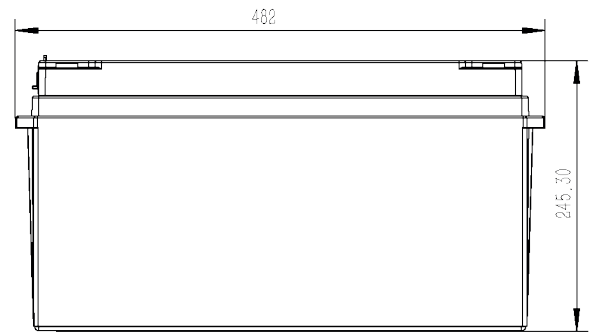
Voltage	25.6 volt
Capacity	100 Ah
Energy	2560 Wh
Auto-discharge	<3% per month
ON/OFF Switch	Yes
Maximum Unit in Series	0
Maximum Unit in Parallel	6

AUTOHEATING SPECIFICATIONS

Heating temperature	-35 to 11 °C
Activation current	4.5 A
Heating current	3.7 A
Manual activation of heating function possible	Yes

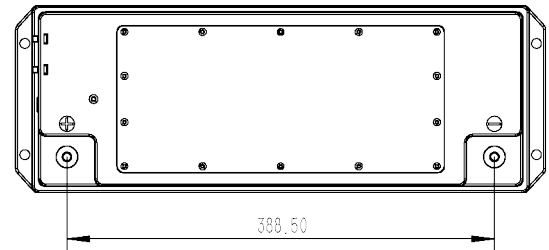
NUMBER OF CYCLES ACCORDING TO THE DISCHARGE %

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



MECHANICAL SPECIFICATIONS

Dimensions (LxWxH) Group 8D	482 X 245 X 170 mm 19 X 9.64 X 6.7 po
Weight	50 lbs
Terminal type	M8
Ingress protection marking	IP55
Terminal torque requirement	8~10nm / 6-8 ft/lb



CERTIFICATIONS & CONCEPTION

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

