

TECHNICAL SHEET

12V 150AH BATTERY



Bluetooth (with Volthium Bluetooth Dongle \$)



Self-Heating (optional \$)



CHARGE SPECIFICATIONS

Recommended charge current	5 A - 80 A (14.6V - 60A)
Maximum charge current	80 A
Recommended charge voltage	14.2 V - 14.6 V (Bulk) 13.6 V (Float)
High voltage disconnect	15.4 V
High voltage reconnect	14.4 V

TEMPERATURE SPECIFICATIONS

Discharge temperature	-25 to 65 °C
Charge temperature	0 to 50 °C
Discharge high disconnect temperature	70 °C
Discharge high reconnect temperature	65 °C
Storage temperature	-10 to 45 °C

COMMUNICATIONS SPECIFICATIONS

Bluetooth	Dongle BT require (accessory)
Communication ports	RJ45 (RS485)
LCD screen with battery voltage displayed	No
Volthium CAN Hub Communication (VE.CAN)	Compatible
Volthium Bluetooth Dongle	Compatible

AUTOHEATING SPECIFICATIONS (OPTIONAL)

Heating temperature	-35 to 11 °C
Activation current	6 A
Heating current	4 A
Activation of heating function	Automatic

ELECTRICAL SPECIFICATIONS

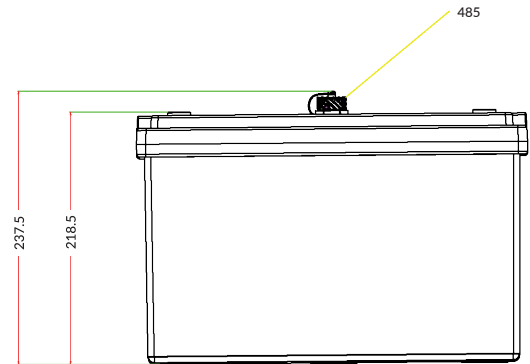
Voltage	12.8 volt
Capacity	150 Ah
Capacity @ 20A	450 min
Energy	1920 Wh
Auto-discharge	<3% per month
Maximum unit in series	4
Maximum unit in parallel	4

DISCHARGE SPECIFICATIONS

Continuous discharge current	100A (125A @ 10min)
Peak discharge current	200A (30s)
Disconnect charge current	300A (1s)
Low voltage disconnect	10 V
Low voltage reconnect	11.2 V
Short circuit protection	Yes
Soft-start resistor (Avoid In-Rush)	Yes - 5W

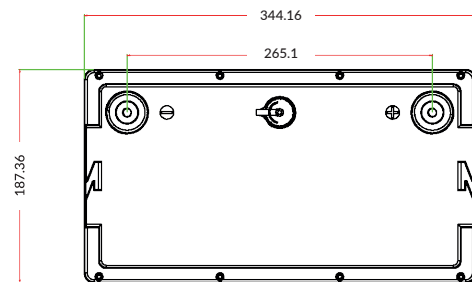
NUMBER OF CYCLES ACCORDING TO THE DISCHARGE %

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



MECHANICAL SPECIFICATIONS

Dimensions (LxWxH) Group 31	339 X 190 X 230 mm 13 X 7.5 X 9 po
Weight	38 lbs
Terminal type	M8
Ingress protection marking	IP66
Terminal torque requirement	8~10nm / 6-8 ft/lb



CERTIFICATIONS & CONCEPTION

Conception	4S1P
Certifications	Cells : UL1973 / IEC62619 / IEC62660
Shipping classification	UN 3480 CLASS 9
Cell Type	SquareCell - LiFePO4 - 150AH 3.2V Grade A+

