

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
Maximum Charge Current	150 A
Recommended Charge Voltage	14.2 V - 14.6 V (Bulk) 13.6 V (Float)

DISCHARGE SPECIFICATIONS

Continuous discharge current	250 A
BMS - Discharge disconnect voltage	10 V
BMS - Discharge reconnection voltage	12 V
Short circuit protection	Yes

TEMPERATURE SPECIFICATIONS

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

STORAGE SPECIFICATIONS

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

COMMUNICATIONS SPECIFICATIONS

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

HEATING SPECIFICATIONS (OPTIONAL)

Activation temperature	From -35 to 11 °C
Activation current	12 A
Heating current	7 A
System activation mode	Automatic + Manual (Dual)

NUMBER OF CYCLES ACCORDING TO THE AVERAGE DISCHARGE % OF USE

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

MECHANICAL SPECIFICATIONS

Dimensions	520 X 268 X 243,7 mm 20.47 X 10.55 X 9.6 po
Group / format	GR8D
Weight	47kg / 104 lbs
Terminal Type	M8
Tightening torque on terminals	8~10nm / 6-8 ft/lb



CERTIFICATIONS & DESIGN

Design	4S4P
Certifications	Cells : UL1642 / UL1973 / UL9540A / IEC62619 / IEC62660
Shipping Classification	UN 3480 CLASS 9
Cell type	SquareCell - LiFePO4 - 102AH - 3.2V Grade A+

