

TECHNICAL SHEET

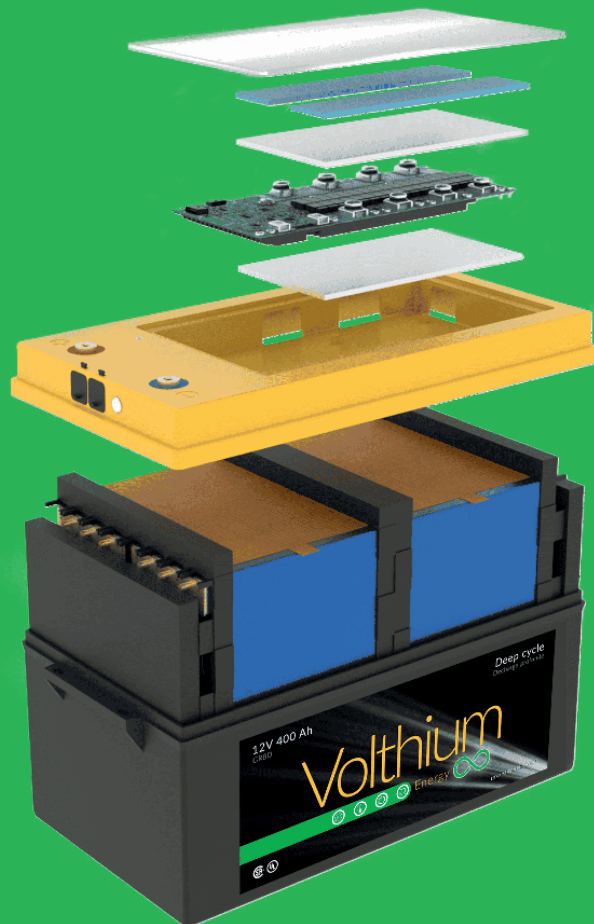
12V 300AH BATTERY



Bluetooth (with Volthium Bluetooth Dongle \$)



Self-Heating (optional \$)



ELECTRICAL SPECIFICATIONS

Voltage	12.8 volt
Capacity	300 Ah
Capacity @ 20A	900 min
Energy	3840 Wh
Auto-discharge	<3% per month
Maximum unit in series	4
Maximum unit in parallel	4

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

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)

HEATING SPECIFICATIONS (OPTIONAL)

Activation temperature	From -35 to 11 °C
Activation current	11 A
Heating current	9 A
System activation mode	Automatic + Manual (Dual)

DISCHARGE SPECIFICATIONS

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

NUMBER OF CYCLES ACCORDING TO THE AVERAGE DISCHARGE % OF USE

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

TEMPERATURE SPECIFICATIONS

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

MECHANICAL SPECIFICATIONS

Dimensions	520 X 268 X 243,7 mm 20.47 X 10.55 X 9.6 po
Group / format	GR8D
Weight	33.1kg / 73 lbs
Terminal Type	M8
Tightening torque on terminals	8~10nm / 6-8 ft/lb



CERTIFICATIONS & DESIGN

Design	4S3P
Certifications	Cells : UL1642 / UL1973 / UL9540A / IEC62619 / IEC62660
Shipping Classification	UN 3480 CLASS 9
Cell type	SquareCell - LiFePO4 - 102AH - 3.2V Grade A+

