

# TECHNICAL SHEET

## 12V 100AH Pro Series BATTERY



## ELECTRICAL SPECIFICATIONS

Voltage	12.8 volt
Capacity	100 Ah
Capacity @ 20A	300 min
Energy	1280 Wh
Auto-discharge	<3% per month
Maximum unit in series	4
Maximum unit in parallel	Unlimited

## CHARGE SPECIFICATIONS

Recommended Charge Current	5 A - 50 A
Maximum Charge Current	110 A
Recommended Charge Voltage	14.2 V - 14.6 V (Bulk) 13.8 V (Float)

## DISCHARGE SPECIFICATIONS

Continuous discharge current	150 A
BMS - Discharge disconnect voltage	11.5 V
BMS - Discharge reconnection voltage	12.8 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	Embedded
Communication ports	CAN & RS485
LCD screen	Yes
Volthium CAN Hub Communication (VE.CAN)	Compatible

## HEATING SPECIFICATIONS (OPTIONAL)

Activation temperature	From -45 to 11 °C
Activation current	6 A
Heating current	4 A
System activation mode	Yes

## 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	308 X 168 X 211 mm 12.13 X 6.61 X 8.3 po
Group / format	GR27
Weight	12.2kg / 27 lbs
Terminal Type	M8
Tightening torque on terminals	8~10 nm / 6~8 ft/lb



## CERTIFICATIONS & DESIGN

Design	4S1P
Certifications	FULL ETL UL1973 & ABYC E-13
Shipping Classification	UN 3480   CLASS 9
Cell type	SquareCell - LiFePO4 - 3.2V - 100A Grade A+



## SPECIAL FEATURES RECAP

IP67 | LCD on Top | On/Off Switch |  
Cold cranking amps (CCA) 800 | Series+Parallel allowed | Self  
Heating et Cooling | Victron CAN & NMEA 2000 intégré |  
Bluetooth with Daisy-Chain | Over Current limit managa by  
the mobile APP | Easy Access to BMS | 10 years of Warranty

