

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 - 60 A
Maximum charge current	100 A
Recommended charge voltage	14.2 V - 14.6 V (Bulk) 13.8 V (Float)
High voltage disconnect	16.7 V
High voltage reconnect	16.4 V

TEMPERATURE SPECIFICATIONS

Discharge temperature	-20 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	500 A (3s)
Disconnect charge current	300 A (1s)
Low voltage disconnect	11.5 V
Low voltage reconnect	12.8 V
Short circuit protection	Yes

COMMUNICATIONS SPECIFICATIONS

Bluetooth	Embedded
Communication ports	CAN & RS485
LCD screen with battery voltage displayed	Yes
Volthium CAN Hub Communication (VE.CAN)	Compatible

AUTOHEATING SPECIFICATIONS (OPTIONNAL)

Heating temperature	-45 to 11 °C
Activation current	6 A
Heating current	4 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



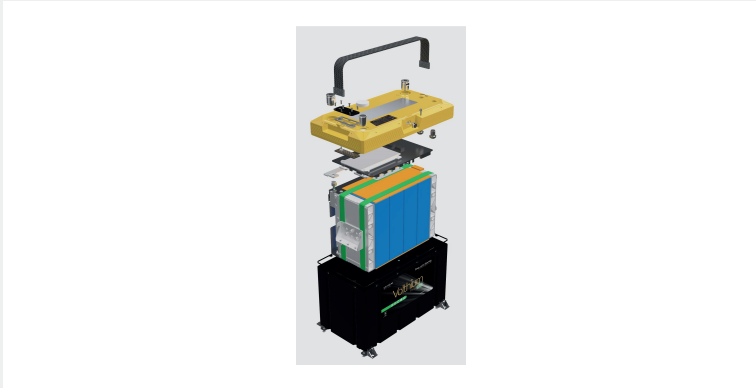
MECHANICAL SPECIFICATIONS

Dimensions (LxWxH) Group 27	308 X 168 X 211 mm 12.13 X 6.61 X 8.3 po
Weight	27 lbs
Terminal type	M8
Ingress protection marking	IP67
Terminal torque requirement	8~10 nm / 6~8 ft/lb



CERTIFICATIONS & CONCEPTION

Conception	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 intégrated | Bluetooth with Daisy-Chain | Over Current limit managa by the mobile APP | Easy Access to BMS | 10 years of Warranty