

WALL MOUNT 51.2V 100Ah

Technical Specifications

TEMPERATURE SPECIFICATIONS

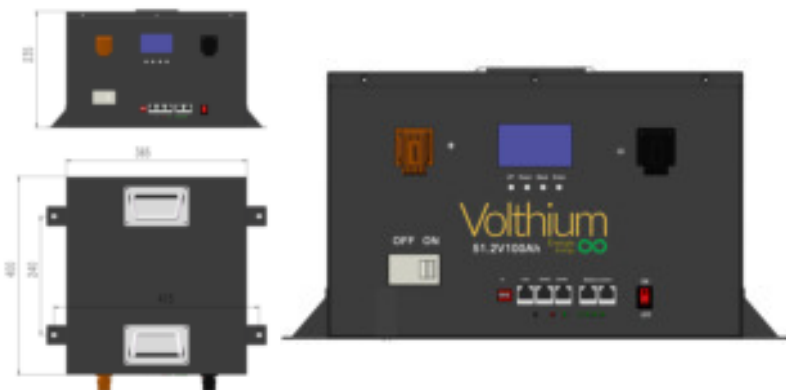
Charge Temperature	0° à 45 °C
High Disconnect Temperature / Reconnection In Charge (BMS)	65°C / 60 °C
Low Disconnect Temperature / Reconnection In charge (BMS)	-0 °C / 3 °C
Discharge Temperature	-20 à 60 °C
High Disconnect Temperature / Reconnection In discharge (BMS)	65°C / 60 °C
Low Disconnect Temperature / Reconnection In Discharge (BMS)	-20 °C / -15 °C
Storage Temperature	-10 à 50 °C
Voltage Storage	> 53 V

DISCHARGE SPECIFICATIONS

Continuous Discharge Current	100 A
Peak Discharge Current 1	102 A (10s)
Peak Discharge Current 2	150 A (3s)
Low Voltage Disconnect (BMS)	43.2 V
Low Voltage Reconnect (BMS)	49.6 V

CIRCUIT BREAKER – UL 1077 / CSA

100 A	Séries
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ELECTRICAL SPECIFICATIONS

Voltage	51.2 Volt
Capacity	100 A
Capacity @ 20A	600 min
Energy	5120 W
Auto-Discharge	<2% par Mois
Maximum Unit In Série / Parallél	0 / 16

CHARGE SPECIFICATIONS

Recommended Charge Current	20 A
Maximum Charge Current	100 A
Recommended Charge Voltage	57.6V (Bulk) 54.2V (Float)
High Voltage Disconnect (BMS)	62.4 V
High Voltage Reconnect (BMS)	55.2V

NUMBER OF CYCLES ACCORDING TO THE DISCHARGE %

Discharge 80%	6000 cycles
Discharge 90%	4000 cycles
Discharge 100%	3000 cycles

State of Health of 83% after 3560 cycles at 100% DOD @ 1C

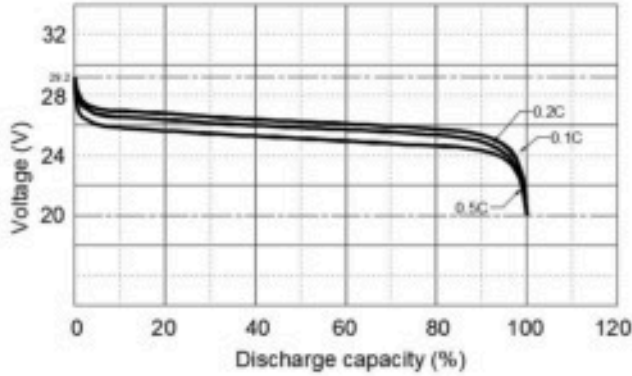
MECHANICAL SPECIFICATIONS

Dimensions (LxWxD)	365 x 400 x 235 mm
Weight	104 lbs
Terminal Type	M8
Communication Interface	RS485 / Victron VE.CAN / Solark

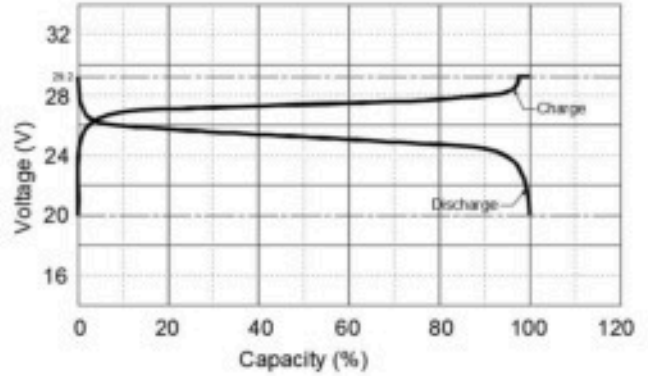
CERTIFICATIONS & CONCEPTION

Conception	16S1P
Certifications	UL1642 UL 1077 CE RoHs
Shipping Classification	UN 3480 CLASS 9
Cell Type	SquareCell - LiFePO4 - 3.2V 100A Grade A+

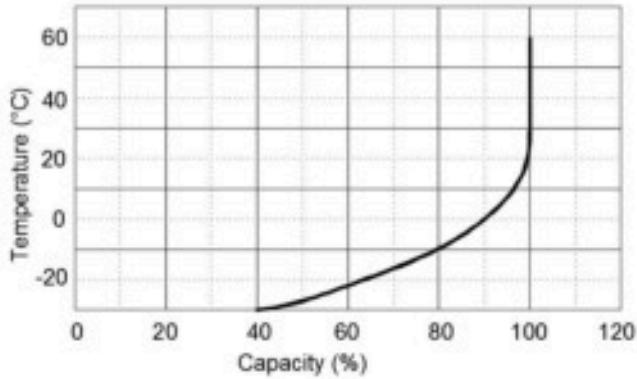
Discharge performance with different rate @ 25°C



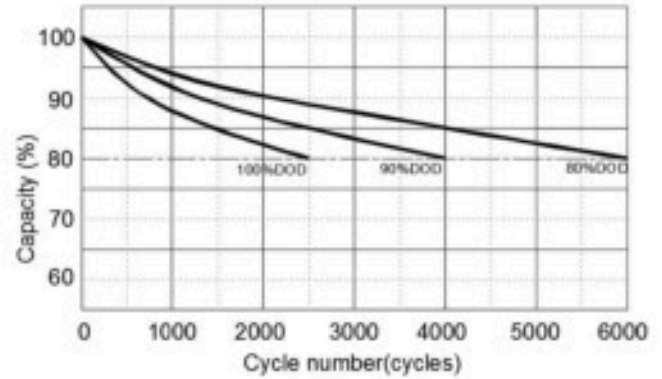
Charge & Discharge curve with 0.5C @ 25°C



Discharge capacity with different temperature @ 0.5C



Cycle life with DOD @ 0.5C. 25°C



Self-discharge @ different temperature

