

RACK MOUNT

51.2V 100Ah

Self-Heating  (In option)

Technical Specifications

TEMPERATURE SPECIFICATIONS

Charge Temperature	0° à 45 °C
High Disconnect Temperature / Reconnection In Charge (BMS)	70 °C / 60 °C
Low Disconnect Temperature / Reconnection In charge (BMS)	-0 °C / 5 °C
Discharge Temperature	-20 à 55 °C
High Disconnect Temperature / Reconnection In discharge (BMS)	75 °C / 65 °C
Low Disconnect Temperature / Reconnection In Discharge (BMS)	-20 °C / -10 °C
Storage Temperature	-20 à 45 °C
Voltage Storage	> 53 V

HEATING SPECIFICATIONS – (For Self-Heating Model)

Heating Temperature	-30 °C à 11 °C
Activation Current	8 A
Heating Current	5.5 A

CIRCUIT BREAKER – UL 1077 / CSA

100 A	Séries
200A	Option



ELECTRICAL SPECIFICATIONS

Voltage	51.2 Volt
Capacity	100 A
Capacity @ 20A	300 min
Energy	5 120 W
Auto-Discharge	<1% par Mois
Maximum Unit in Parallel	16 (per bank)

CHARGE SPECIFICATIONS

Recommended Charge Current	80 A
Maximum Charge Current	100 A (30 min)
Recommended Charge Voltage	56V (Bulk) / 54.4 V (Float)
High Voltage Disconnect (BMS)	60 V (1s)
High Voltage Reconnect (BMS)	55.2V

DISCHARGE SPECIFICATIONS

Continuous Discharge Current	100 A
Peak Discharge Current 1	200 A (30s)
Peak Discharge Current 2	350 A (3s)
Low Voltage Disconnect (BMS)	43.2 V
Short Circuit Protection	Yes

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

NUMBER OF CYCLES ACCORDING TO THE DISCHARGE %

Discharge 30%	8200 < cycles
Discharge 80%	4250 < cycles
Discharge 100%	3000 < cycles

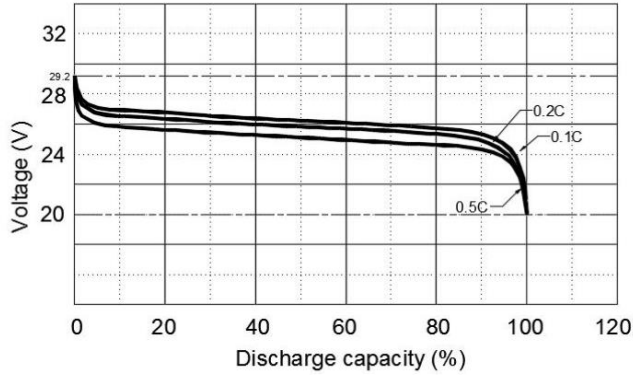
MECHANICAL SPECIFICATIONS

Dimensions (LxWxH)	442 x 470 x 154 mm
Weight	99 lbs
Terminal Type	Amphenol Surlok (SLPIRB35CPS00)
Communication Interface	RS485 & CAN (Victron VE.CAN / SolArk / Growatt / ...more)

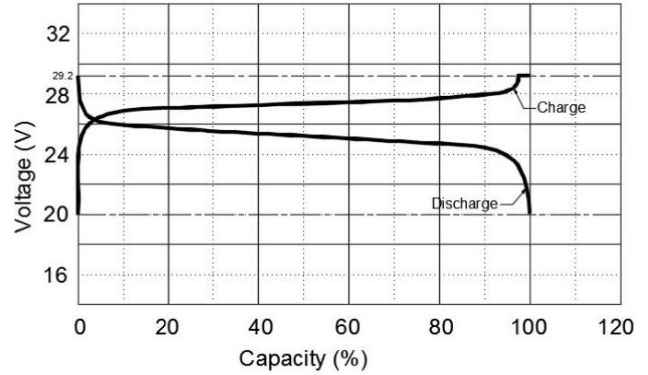
CERTIFICATIONS & CONCEPTION

Conception	16S1P
Certifications	UL1977 UL1077 UL489 CSA C22.2 IEC62619 UL1973
Shipping Classification	UN 3480 CLASS 9
Cell Type	SquareCell - LiFePO4

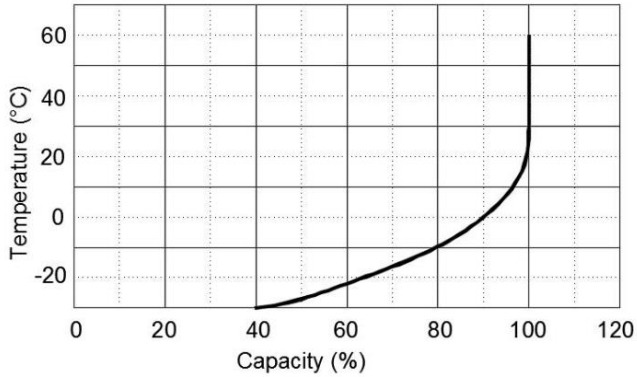
Discharge performance with different rate @ 25°C



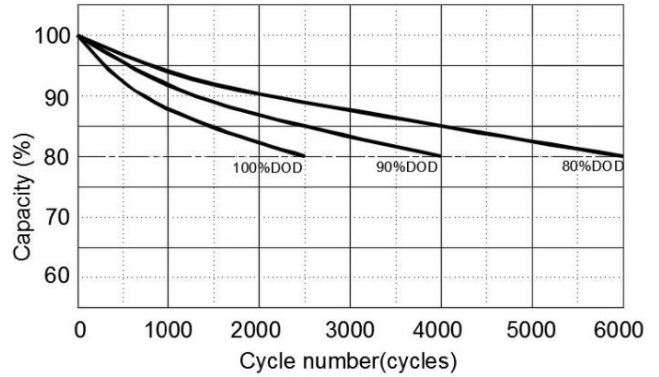
Charge & Discharge curve with 0.5C @ 25°C



Discharge capacity with different temperature @ 0.5C



Cycle life with DOD @ 0.5C, 25°C



Self-discharge @ different temperature

