

TECHNICAL SHEET

RACK MOUNT 51.2V 200Ah 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 (in option)	
Heating Temperature	-30 °C à 11 °C
Activation Current	8 A
Heating Current	5.5 A

CIRCUIT BREAKER - UL 1077 / CSA	
125 A	Séries
Tripping curve	200A @ 5min / 180A @ 6min / 150A @ 10min



ELECTRICAL SPECIFICATIONS	
Voltage	51.2 Volt
Capacity	200 AH
Capacity @ 20A	600 min
Energy	10 240 W
Auto-Discharge	<1% par Mois
Maximum Unit in Parallel	16 (per bank) / max 5 banks

CHARGE SPECIFICATIONS	
Recommended Charge Current	100 A
Maximum Charge Current	150 A (1 hour)
Recommended Charge Voltage	56V-57.4V (Bulk) / 54.4 V (Float)
High Voltage Disconnect (BMS)	60 V (1s)
High Voltage Reconnect (BMS)	55.2V

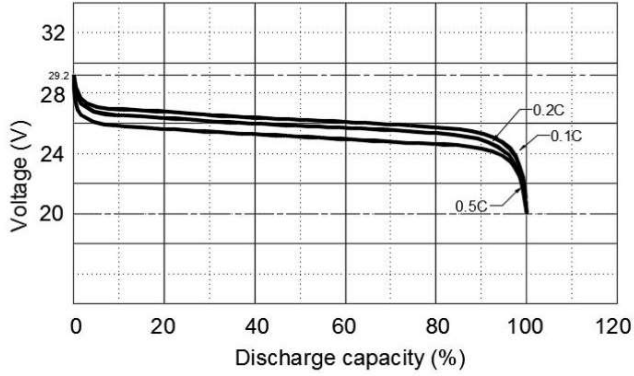
DISCHARGE SPECIFICATIONS	
Continuous Discharge Current	125A (150A @ 10min)
Peak Discharge Current 1	200 A (30s)
Peak Discharge Current 2	350 A (3s)
Low Voltage Disconnect (BMS)	43.2 V
Short Circuit Protection	Yes

NUMBER OF CYCLES ACCORDING TO THE DISCHARGE %	
Discharge 30%	8200 < cycles
Discharge 80%	6000 < cycles
Discharge 100%	3000 < cycles

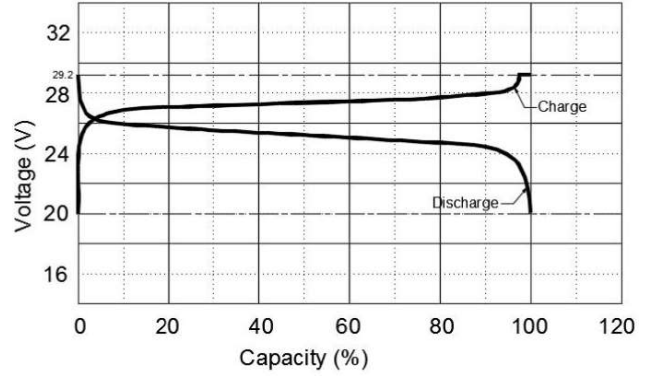
MECHANICAL SPECIFICATIONS	
Dimensions (LxWxH)	465 x 680 x 224 mm 19 x 27 x 8.82 po
Weight	208 lbs
Terminal Type	M8 OR Surlok (SLPPB35BNO) <Year 2022>
Communication Interface	RS485 / CAN

CERTIFICATIONS & CONCEPTION	
Conception	16S2P
Certifications	Full Pack Assembly CSA UL1973 Cells UL1973 & CSA UL9540A IEC62619 IEC62660 Breaker UL1077 @ CSA C22.2 No. 235-04 Terminal UL1977
Shipping Classification	UN 3480 CLASS 9
Cell Type	SquareCell - LiFePO4

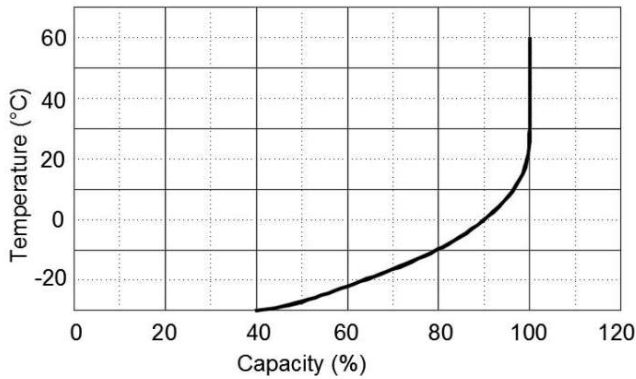
Discharge performance with different rate @ 25°C



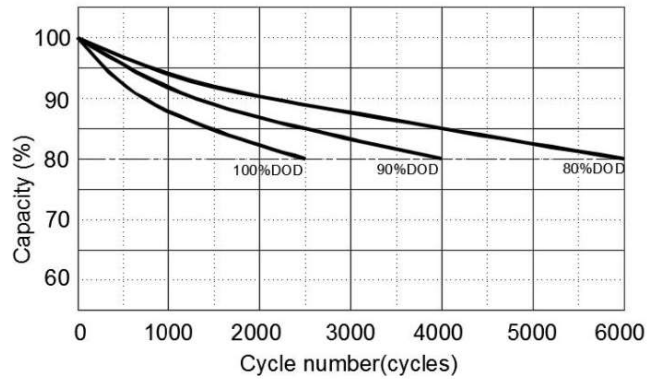
Charge & Discharge curve with 0.5C @ 25°C



Discharge capacity with different temperature @ 0.5C



Cycle life with DOD @ 0.5C, 25°C



Self-discharge @ different temperature

