

TECHNICAL SHEET

51.2V 100AH BATTERY



Self-Heating (optional \$)



ELECTRICAL SPECIFICATIONS

Voltage	51.2 volt
Capacity	100 Ah
Capacity @ 20A	300 min
Energy	5120 Wh
Auto-discharge	<1% per month
Maximum unit in parallel	16 (per bank)

CHARGE SPECIFICATIONS

Recommended charge current	60 A
Maximum charge current	100 A (30min)
Recommended charge voltage	56 V (Bulk) 54.4 V (Float)
High voltage disconnect (BMS)	60 V (1s)
High voltage reconnect (BMS)	55.2 V

AUTOHEATING SPECIFICATIONS (OPTIONAL)

Heating temperature	-30 to 11 °C
Activation current	8 A
Heating current	5.5 A

TEMPERATURE SPECIFICATIONS

Discharge temperature	-20 to 55 °C
Charge temperature	0 to 45 °C
High disconnect temperature / Reconnection in charge (BMS)	70 °C / 60 °C
Low disconnect temperature / Reconnection in charge (BMS)	0 °C / 5 °C
Storage temperature	-20 to 45 °C
Voltage storage	>53V
High disconnect temperature / Reconnection in discharge (BMS)	75 °C / 65 °C
Low disconnect temperature / Reconnection in discharge (BMS)	-20 °C / -10 °C

DISCHARGE SPECIFICATIONS

Continuous discharge current	125A
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

CIRCUIT BREAKER – UL 1077 / CSA

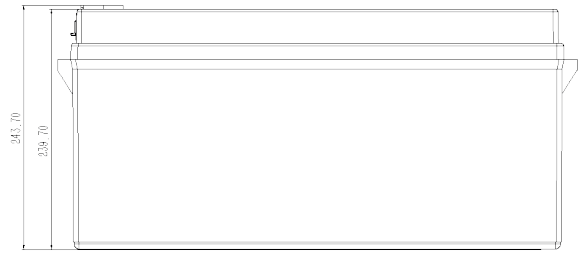
125 A	Series
200 A	Option

NUMBER OF CYCLES ACCORDING TO THE DISCHARGE %

Discharge 30% 8200 < cycles

Discharge 80% 4250 < cycles

Discharge 100% 3000 < cycles



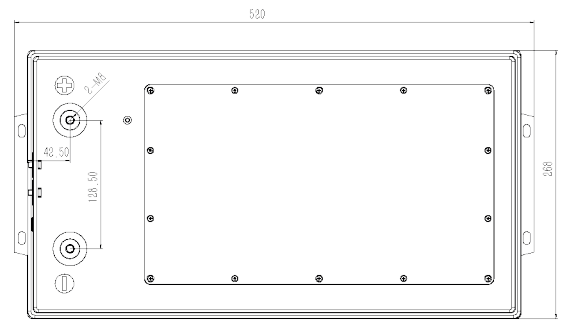
MECHANICAL SPECIFICATIONS

Dimensions (LxWxH) 442 X 435 X 230 mm
Group 8D 19 X 17.13 X 9.05 po

Weight 104 lbs

Terminal type Amphenol Surlok (SLPIRB35CPSO0)

Communication interface RS485 & CAN (Victron VE.CAN / SolArk / Growatt / Schneider...)



CERTIFICATIONS & CONCEPTION

Conception 16S1P

Certifications Full Pack Assembly ETL SP-1000 | 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

