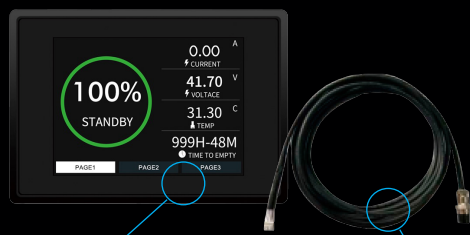
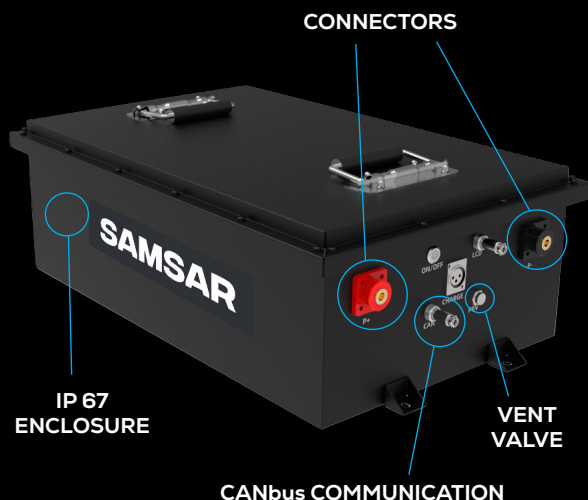


SAMSAR

51.2V 104Ah 5.32KWh LiFePO4 GOLF CART & EV BATTERY



SUMMARY

- Battery box dimensions:
560mm x 350mm x 180mm (LWH) +/- 2mm
- Multi-generational build quality for enhanced lifespan and durability. Allows for upcycling at end of life.
- Active cell balancing for enhanced battery lifespan
- IP 67 Waterproof Steel Case for enhanced durability
- Smart BMS with CAN-bus communication for ethernet connectivity
 - LCD dashboard display with DS20 Aviation Connector cable included
- Battery Pack Cell Configuration: 4S4P

PARAMETER

VALUE

Pack Capacity	104Ah
Nominal Voltage	51.2V
Nominal Charge Current	20 A
Maximum Charge Current	50 A
Continuous Discharge Current	250A
Maximum Discharge Current	600 A
Charging Ending Voltage / Charge Mode	58.4V / CC-CV / Cell over charge protection @ 3.65V
Discharging Ending Voltage / Discharge Mode	40V / Cell over discharge protection @ 2.3V
Mounting	Vertical
Dimensions (LxWxH) (mm)	560 x 350 x 180 +/- 2mm
Weight (Kg)	45 (Max)
Cell Type	New Grade A+ LiFePO4 Prismatic cell. 3.2V 104Ah
Cell Layout	4S4P
PCM/BMS model	4S-600A
Operating Temperature Range: Charging	-20°C to +50°C Self- Heated
Operating Temperature Range: Discharging	-20°C to +60°C
Storage Temperature Range	0°C to +30°C
Protections	Over Charge / Discharge Current
	Short Circuit
	Over / Under Voltage
	Over / Under Temperature
Connectors:	3/8" stainless steel threaded studs
Communications	CANbus RS485 DS20 Aviation Connector Cable included
IP Class	IP 67
IoT	Compatible/FOTA enabled / Remote Monitoring & Control Available
Self Heating Option	Included
Battery Monitor	LCD dashboard display with DS20 Aviation Connector cable included
Certification	UN 38.3