



Applications

- RV
- Marine
- Angling Boat
- Backup power
- Solar energy storage system
- Solar street LED lightings
- AGV
- Cleaning truck

Product Feature

-  IP67 protection rating.
-  Featured built-in BMS with multi-level safety protections & communication.
-  Lead acid batte replacement, case serviceable, hold-down tray optional.
-  Support up to 16pcs in parallel connection.
-  Complete certification UL1973/E-mark/CE/UN38.3.
-  Bluetooth APP monitoring and upgrading(OTA).
-  6000+Cycle Life, 80%DOD.
-  Built-in Battery Heating (standard).

Electrical Parameters

Nominal voltage	25.6V
Nominal capacity @0.2C	100Ah
Nominal energy @0.2C	2560.0Wh
Internal resistance	≤30mΩ @1kHz AC
Parallel and series connection	Max. 16 in parallel, no series
Communication	CAN/RS485/Bluetooth(TOPBAND)
Self-discharge rate	≤3% Per month
Cycle life	≥6000 Cycles

Mechanical Parameters

Dimension(L*W*H)	485*172*232.5mm
	inch: 19.09*6.77*9.15
Weight (No accessories)	≈23kg (50lbs)
IP level	IP67
Terminal and torque	M8 10N·M
Operation altitude	< 3000m

Charge Parameters

Charge voltage range	28.4~29.2V
Float voltage range	27.2~27.6
Allowed MAX charge current	100A @25°C
Recommend charge current	50A

Discharge Parameters

Allowed MAX discharge current	120A @25°C
Recommend discharge current	100A
Peak/Surge current limit	200A/60S、500A/3S
Short circuit protection	1200A/500us
End of discharge	21.2~24.4V

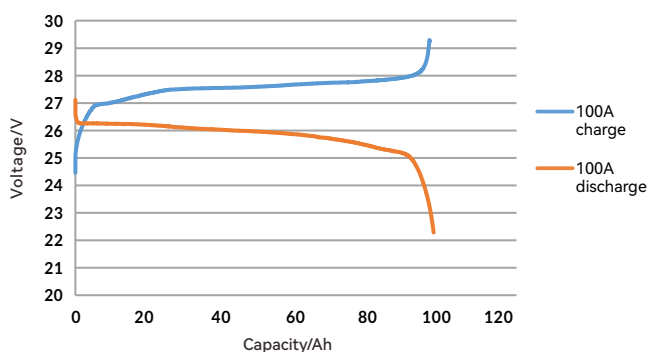
Temperature Parameters

Operation temperature	Charge	-20~60°C (-4 to 140°F) with heater
	Discharge	-20~60°C (-4 to 140°F)
Storage environment	≤3month	-10°C<T<40°C
	≥6month	0°C<T<30°C
	Recommend environment	15 ~ 35°C 5 ~ 75%RH
	Heater	YES

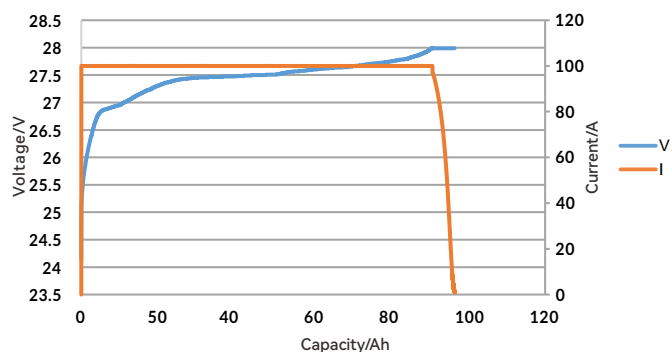
All test data are tested by TOPPAND laboratory, and Topband has all interpretation rights.

The above parameters are subject to change without prior notice, and the final data is subject to the product specifications.

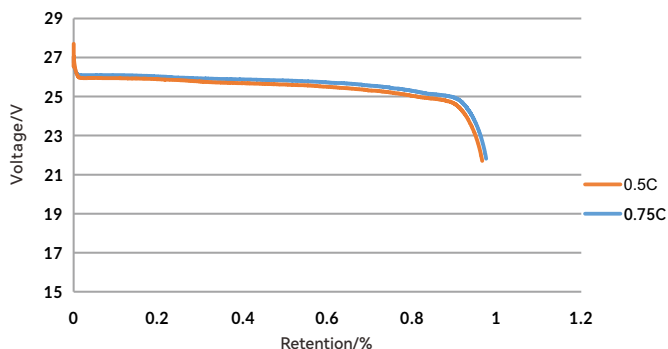
24V100Ah Charge-discharge capacity curve@RT



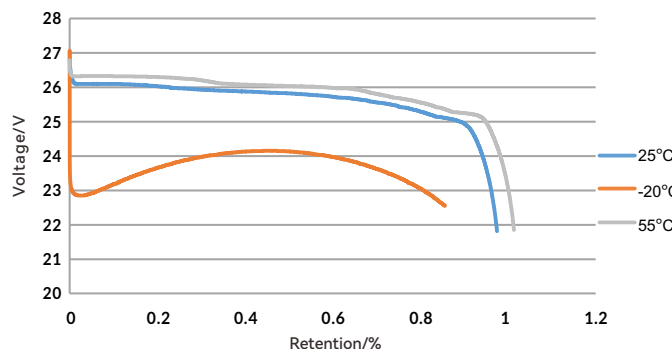
24V100Ah 1C Charge @RT



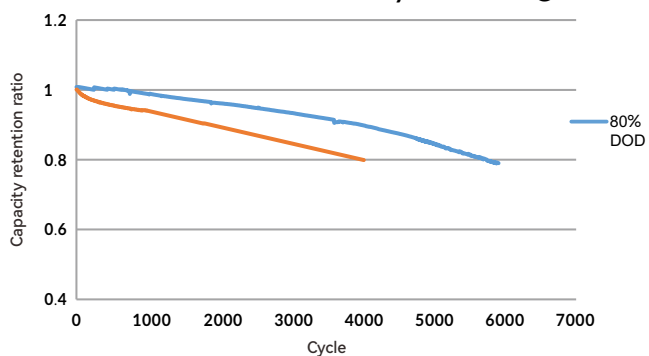
24V100Ah Discharge curve at different rates@RT



24V100Ah discharge curve at different temperatures



24V100Ah different DOD 0.2C cycle life curve @RT



Compliance Certificate

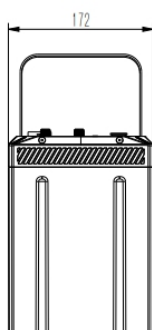
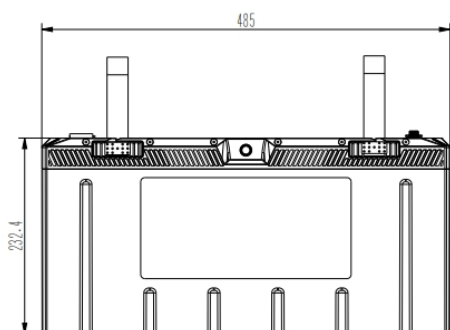
Certifications

CE UL1973 (E)

Shipping classification

UN38.3 UN3480 CLASS:9

Battery Dimension



unit: mm

