



Applications

- RV
- Backup power
- Solar energy storage system
- Angling boat
- Solar street LED lightings
- Marine

Product Feature

-  Standard lead acid cases, customized case, functions and bluetooth app available.
-  Support series or parallel connection.
-  UL38.3 / CE / certificated, quality guaranteed.
-  Bluetooth app monitoring and up grading.
(Pending)
-  4000+Cycle Life, 80%DOD.
-  Heating function optional

Electrical Parameters

| | |
|--------------------------------|--|
| Nominal voltage | 12.8V |
| Nominal capacity@0.2C | 100Ah |
| Nominal energy@0.2C | 1280Wh |
| Internal resistance | ≤20mΩ @1kHz AC |
| Parallel and series connection | Support Max. 4 in series or Max. 4 in parallel |
| Communication | Bluetooth |
| Self-discharge rate | ≤3% Per month |
| Cycle life | ≥4000 Cycles |

Mechanical Parameters

| | |
|-------------------------|---------------------|
| Dimension(L*W*H) | 355*176*190mm |
| | 13.97**6.92**7.48' |
| Weight (No accessories) | ≈ 11.2kg(24.69 lbs) |
| IP level | IP54 |
| Terminal and torque | M8 8- 12N·M |
| Operation altitude | < 3000m |

Charge Parameters

| | |
|----------------------------|------------|
| Charge voltage range | 14.0~14.6V |
| Float voltage range | 13.6~13.8V |
| Allowed MAX charge current | 100A @25°C |
| Recommend charge current | 50A |

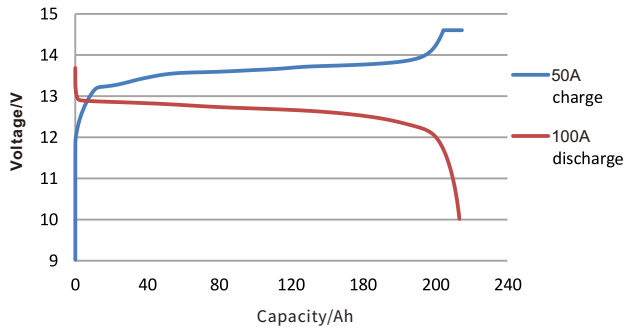
Discharge Parameters

| | |
|-------------------------------|------------|
| Allowed MAX discharge current | 100A @25°C |
| Recommend discharge current | 50A |
| Peak/Surge current limit | 360A@3S |
| Short circuit protection | 940A 400us |
| End of discharge | 10.8~11.6V |

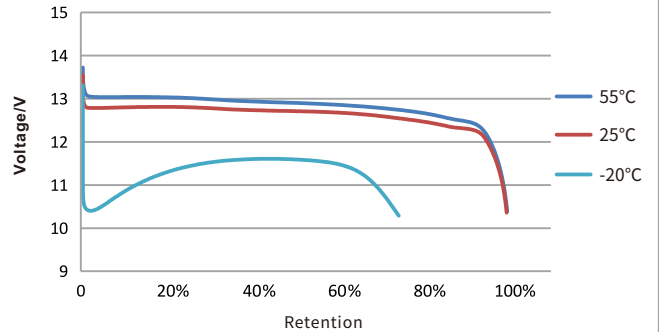
Temperature Parameters

| | | |
|-----------------------|-----------------------|---------------------------------|
| Operation temperature | Charge | 0~60°C (32 to 140°F) |
| | Discharge | -20~60°C (-4 to 140°F) |
| Storage environment | ≤3month | -20~60°C (-4 to 140°F) /5~75%RH |
| | ≥3month | -10~45°C (14 to 113°F) /5~75%RH |
| | Recommend environment | 15~35°C (59 to 95°F) /5~75%RH |

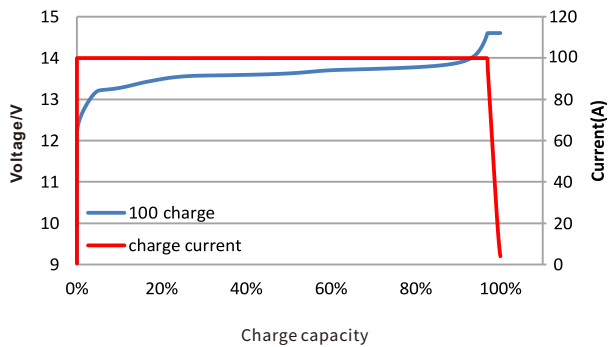
12V100Ah charge-discharge capacity curve@RT



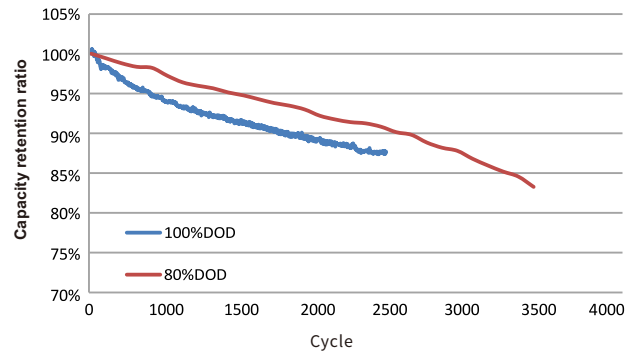
12V100Ah discharge curves at different temperatures



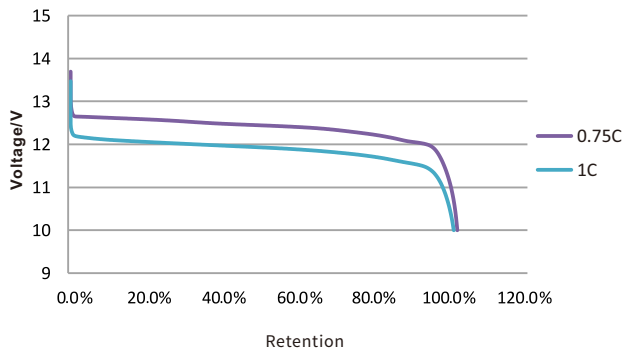
12V100Ah charge characteristics 0.5C @RT



12V100Ah different DOD 0.5C cycle life curve @RT



12V100Ah discharge curves at different rates@RT



Compliance Certificate

Certifications



Shipping classification

UN38.3 UN3480 CLASS:9

Battery Dimension

unit: mm

