



PUSTUN

PT 38-12 12V38Ah

Agm Battery Series

GENERAL FEATURE

- Absorbent Glass Mat(AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

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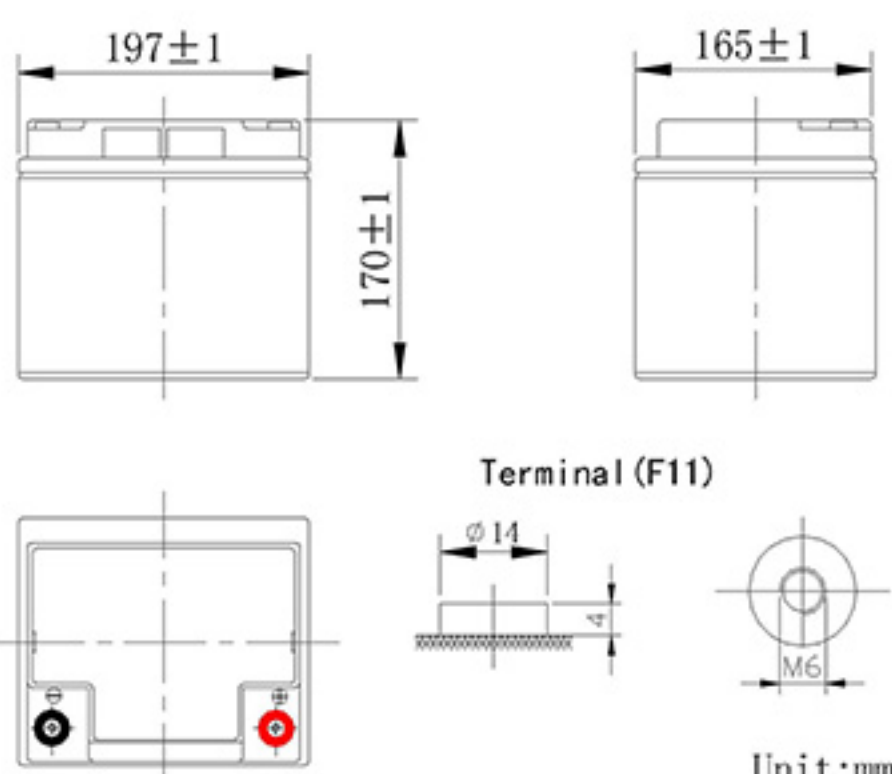


Agm Battery

PUSTUN New Products

SPECIFICATION

| | |
|------------------------|-----------|
| Nominal voltage | 12V |
| Number of cell | 6 |
| Length(mm/inch) | 197/7.76 |
| Width(mm/inch) | 165/6.5 |
| Height(mm/inch) | 170/6.69 |
| Total Height(mm/inch) | 170/6.69 |
| Approx. Weight(kg/lbs) | 12.0/26.5 |



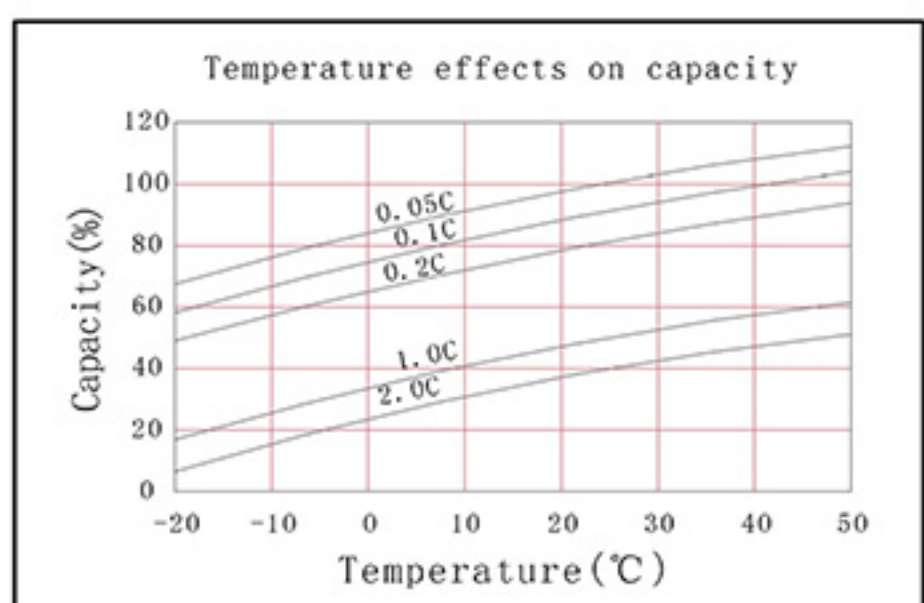
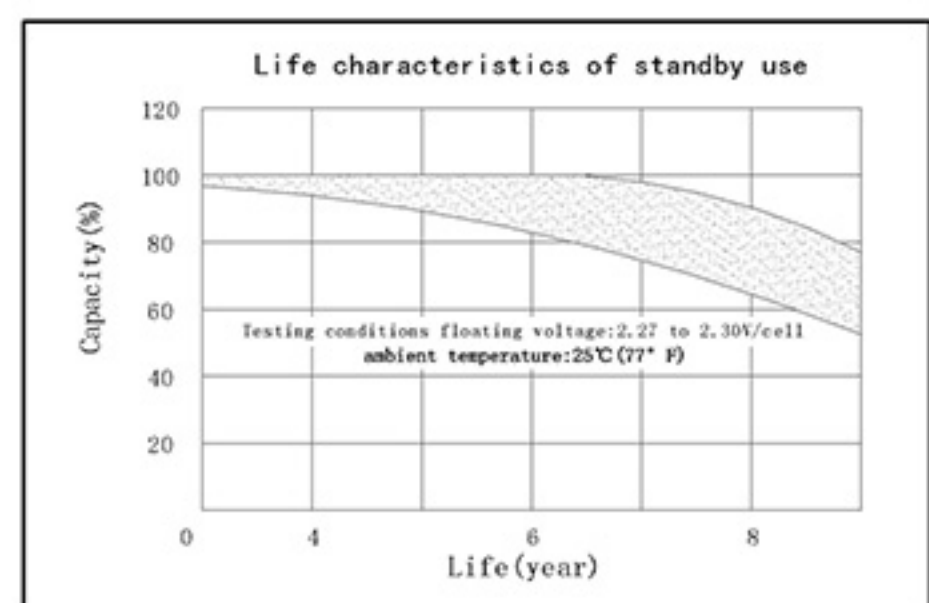
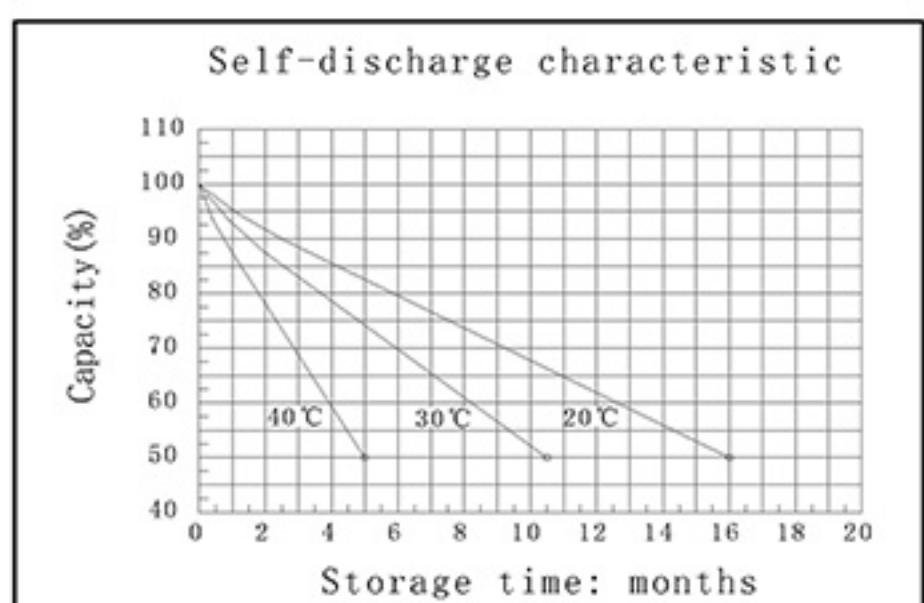
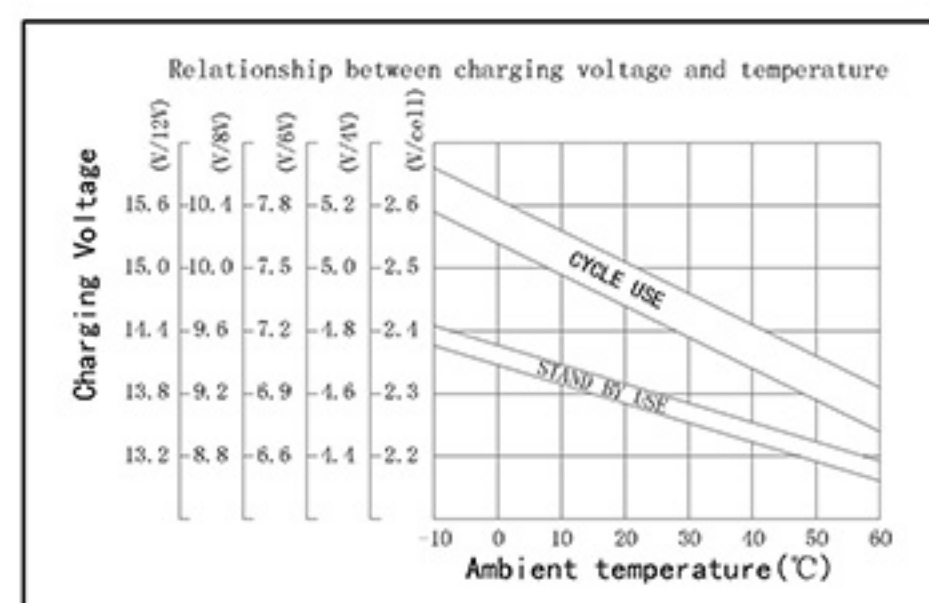
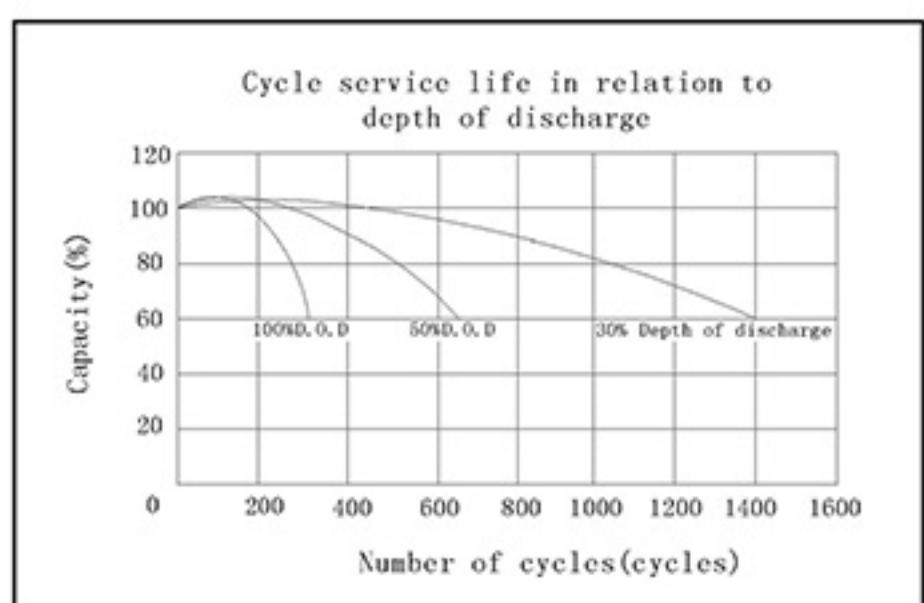
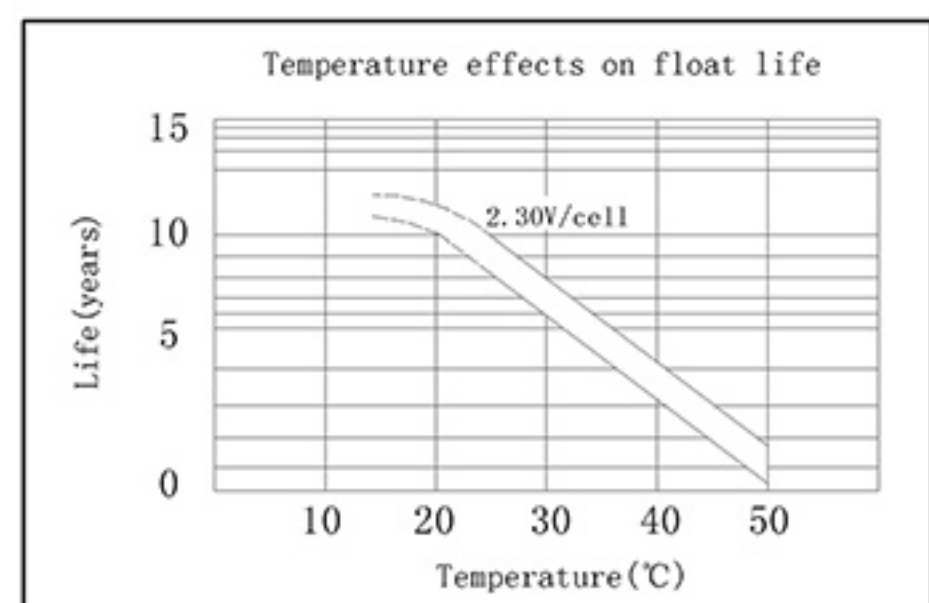
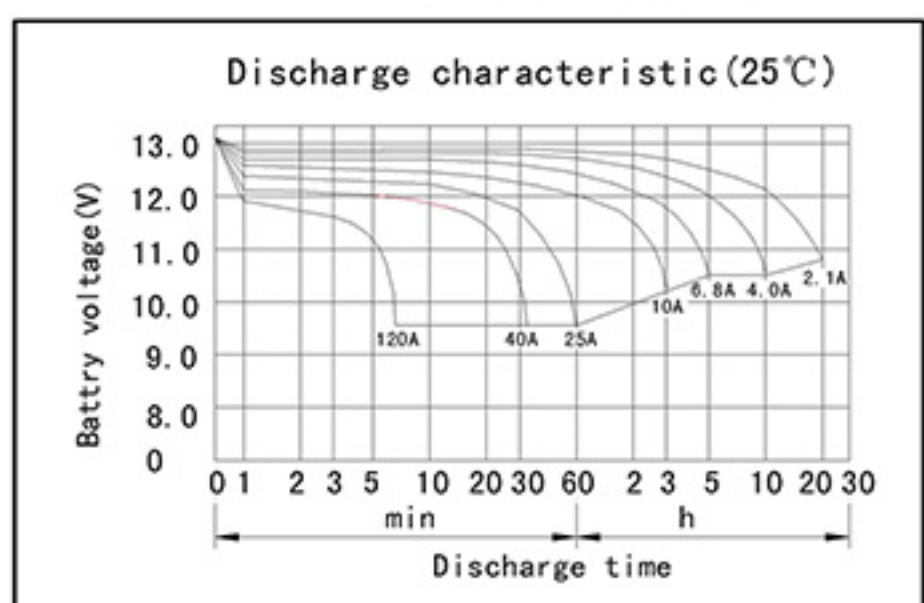
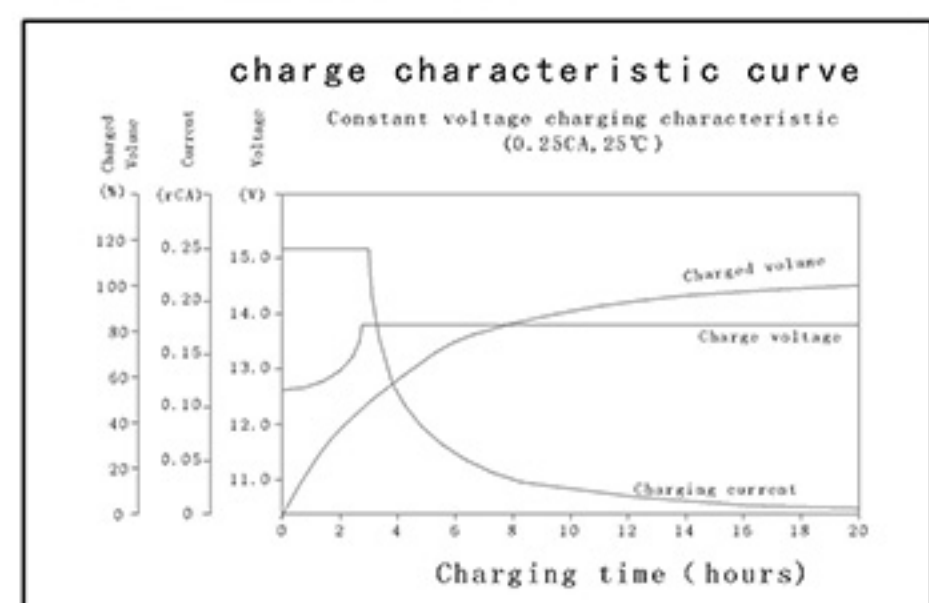
MATERIAL

| Component | Positive plate | Negative plate | Container | Cover | Safety valve | Terminal | Separator | Electrolyte |
|--------------|----------------|----------------|-----------|-------|--------------|----------|------------|---------------|
| Raw material | Lead dioxide | Lead | ABS | ABS | Rubber | Copper | Fiberglass | Sulfuric acid |

CONFIGURATION

| | | |
|---|--------------------------------------|------|
| Capacity 77°F(25°C) | 20 hours rate(2.1A 10.8V) | 42Ah |
| | 10 hours rate(3.8A 10.5V) | 38Ah |
| | 5 hours rate(6.8A 10.5V) | 34Ah |
| | 1 hour rate(25A 9.6V) | 25Ah |
| Internal Resistance | Full charged battery 77°F(25°C):10mΩ | |
| Capacity affected by Temperature (10 hour rate) | 104°F(40°C) | 102% |
| | 77°F(25°C) | 100% |
| | 32°F(10°C) | 85% |
| | 5°F(-15°C) | 65% |
| Self-Discharge 68°F(20°C) | Capacity after 3 month storage | 90% |
| | Capacity after 6 month storage | 80% |
| | Capacity after 12 month storage | 60% |
| Max discharge current 77°F(25°C):400A(5S) | | |
| Charge (Constant Voltage) | Float:13.6 to 13.8V/77°F(25°C) | |
| | Cycle:14.4 to 14.7V/77°F(25°C) | |
| | Max Current:10A | |

PERFORMANCE REPORT



| End Point Volts/Cell | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|----------------------|------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 120 | 92.0 | 72.0 | 42.0 | 25.0 | 10.2 | 7.00 | 4.14 | 2.18 |
| 1.65V | 123 | 87.4 | 69.3 | 40.7 | 24.2 | 10.1 | 6.90 | 4.09 | 2.17 |
| 1.70V | 118 | 82.7 | 66.5 | 39.1 | 23.0 | 10.0 | 6.85 | 4.05 | 2.15 |
| 1.75V | 109 | 78.1 | 63.2 | 37.2 | 22.1 | 9.85 | 6.80 | 4.00 | 2.13 |
| 1.80V | 100 | 71.0 | 58.0 | 34.9 | 20.8 | 9.71 | 6.70 | 3.95 | 2.10 |

(Note)The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum values.

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h |
|----------------------|------|-------|-------|-------|-------|------|------|------|------|
| 1.60V | 232 | 155 | 113 | 69.4 | 54.2 | 44.5 | 28.5 | 19.3 | 13.7 |
| 1.65V | 218 | 146 | 107 | 65.9 | 51.7 | 42.6 | 27.6 | 18.8 | 13.5 |
| 1.70V | 203 | 137 | 101 | 62.3 | 49.1 | 40.7 | 26.7 | 18.3 | 13.2 |
| 1.75V | 189 | 128 | 94.0 | 58.7 | 46.5 | 38.7 | 25.6 | 17.7 | 12.9 |
| 1.80V | 175 | 119 | 88.1 | 55.1 | 43.8 | 36.6 | 24.5 | 17.1 | 12.6 |

(Note)The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum values.