

# CT12-125X-CFR 12V 125Ah(10hr)



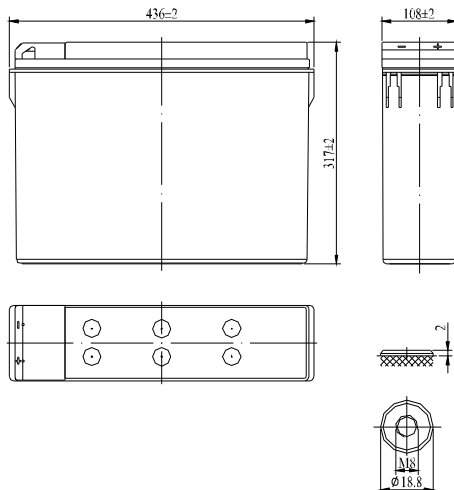
The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

## Battery Construction

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

## General Features

- 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.
- With VO Flame retardants cover and HB ABS container



## Performance Characteristics

|                               |   |                 |          |                 |
|-------------------------------|---|-----------------|----------|-----------------|
| Battery model                 | CT12-125X-CFR                                       |                 |          |                 |
| Nominal voltage               | 12V   |                 |          |                 |
| Number of cell                | 6   |                 |          |                 |
| Capacity (25°C)               | 10hR(12.5 A, 10.8V)                                 | 5hR(23A, 10.5V) |          | 1hR(85A, 9.60V) |
|                               | 125Ah   | 115Ah           |          | 85Ah            |
| Dimensions Max.               | Length  | Width           | Height   | Total Height    |
|                               | 436±2 mm  | 108±2 mm        | 317±2 mm | 317±2 mm        |
| Approx. weight                | 40Kg (88.2 lbs)                                     |                 |          |                 |
| Internal resistance           | Full charged at 20°C: 4.5mOhms                      |                 |          |                 |
| Self discharge                | 3% of capacity declined per month at 20°C (average) |                 |          |                 |
| Operating temperature range   | Discharge   | Charge          | Storage  |                 |
|                               | -20~60°C  | -10~60°C        | -20~60°C |                 |
| Max. discharge current (20°C) | 950A (5s)   |                 |          |                 |
| Short circuit current         | 2250A   |                 |          |                 |

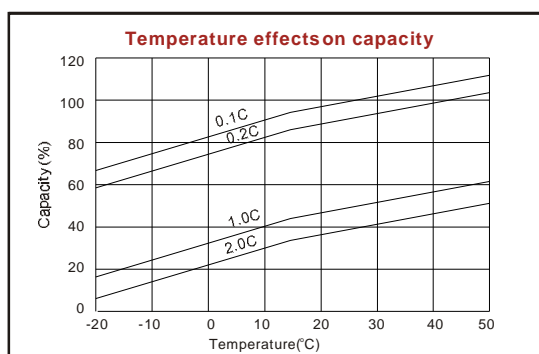
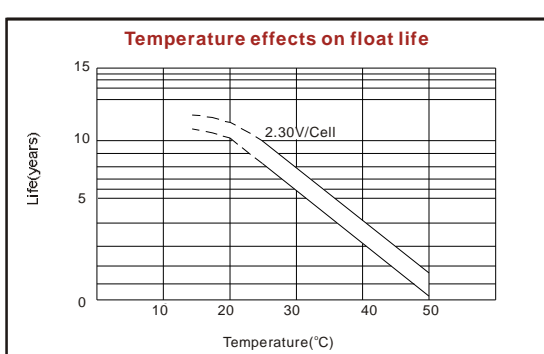
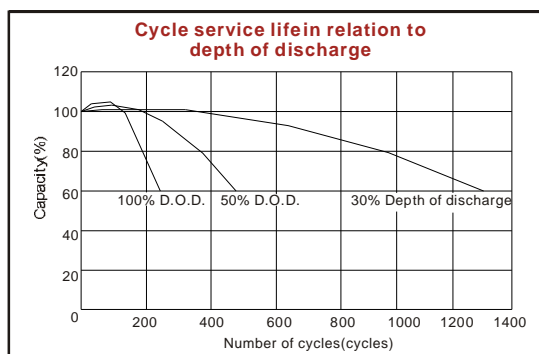
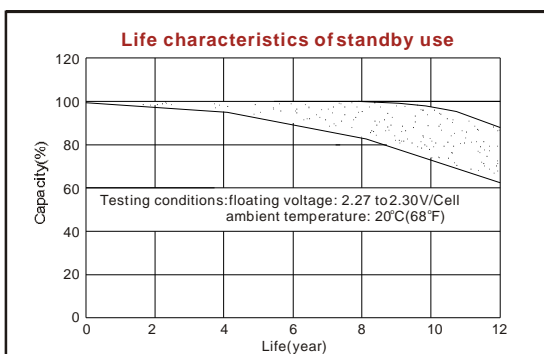
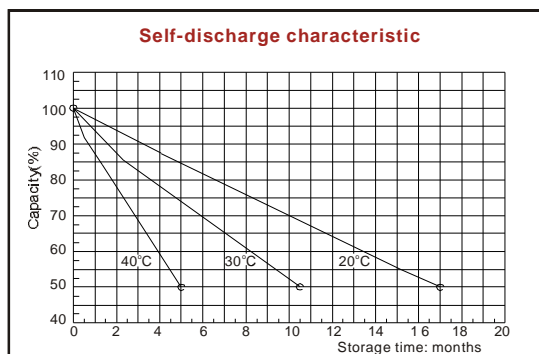
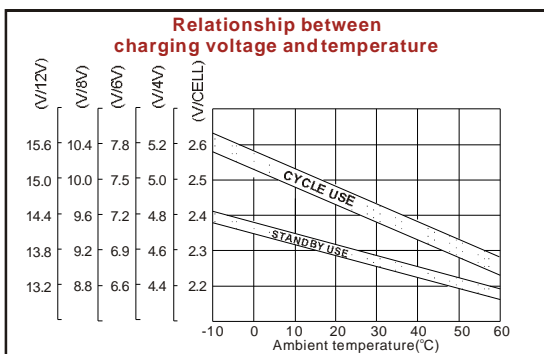
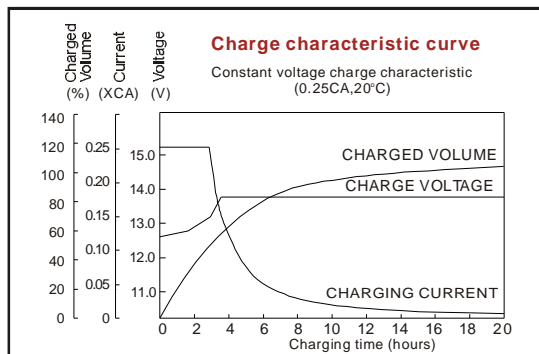
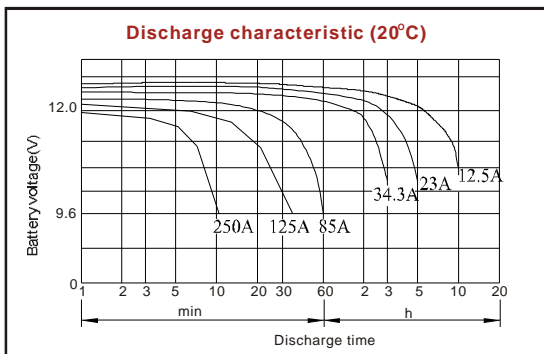
## Discharge Constant Current (Amperes at 77°F25°C)

| End Point Volts/Cell | 10min | 15min | 30min | 45min | 1h   | 3h   | 5h   | 10h  |
|----------------------|-------|-------|-------|-------|------|------|------|------|
| 1.60V                | 255   | 211   | 138   | 103   | 85.0 | 35.2 | 23.5 | 12.9 |
| 1.65V                | 237   | 200   | 134   | 101   | 83.8 | 34.9 | 23.3 | 12.8 |
| 1.70V                | 219   | 188   | 131   | 99.0  | 82.5 | 34.6 | 23.2 | 12.7 |
| 1.75V                | 201   | 177   | 127   | 97.0  | 81.3 | 34.3 | 23.0 | 12.6 |
| 1.80V                | 183   | 165   | 123   | 95.0  | 80.0 | 34.0 | 22.8 | 12.5 |

## Discharge Constant Power (Watts at 77°F25°C)

| End Point Volts/Cell | 10min | 15min | 30min | 45min | 1h  | 2h   | 3h   | 5h   |
|----------------------|-------|-------|-------|-------|-----|------|------|------|
| 1.60V                | 450   | 376   | 252   | 192   | 157 | 90.8 | 66.1 | 44.2 |
| 1.65V                | 428   | 361   | 246   | 188   | 154 | 89.3 | 65.4 | 43.9 |
| 1.70V                | 406   | 347   | 239   | 184   | 150 | 87.9 | 64.7 | 43.6 |
| 1.75V                | 383   | 333   | 232   | 179   | 147 | 86.4 | 63.9 | 43.2 |
| 1.80V                | 361   | 318   | 225   | 175   | 144 | 85   | 63.2 | 42.9 |

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



ISO9001:2000

MH25860

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Power Yet VISION

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