

CP1208 12V 0.8Ah(20hr)

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

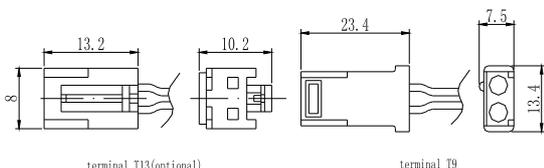
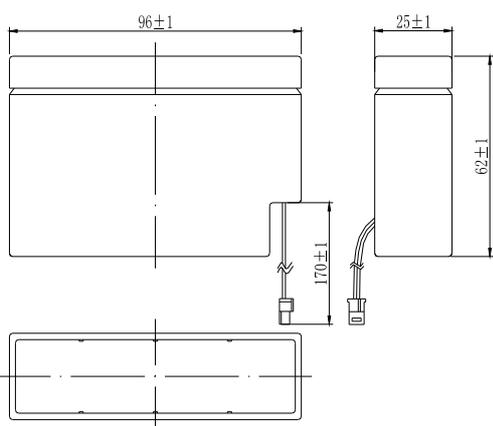
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|--------------|----------------|----------------|-----------|-------|--------------|----------|------------|---------------|
| Component | Positive plate | Negative plate | Container | Cover | Safety valve | Terminal | Separator | Electrolyte |
| Raw material | Lead dioxide | Lead | ABS | ABS | Rubber | Plug | 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.

Dimensions and Weight

| | |
|--------------------------|-------------|
| Length(mm / inch) | 96 / 3.78 |
| Width(mm / inch) | 25 / 0.98 |
| Height(mm / inch) | 62 / 2.44 |
| Total Height(mm / inch) | 62 / 2.44 |
| Approx. Weight(Kg / lbs) | 0.34 / 0.75 |



Performance Characteristics

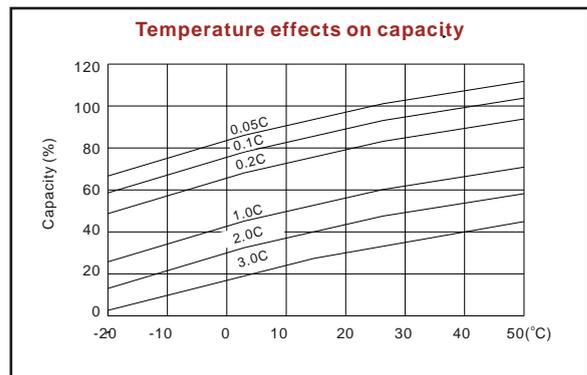
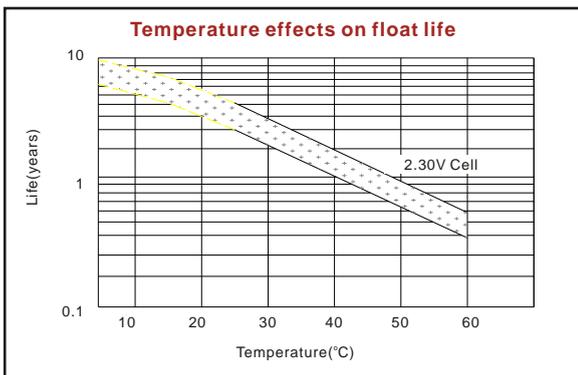
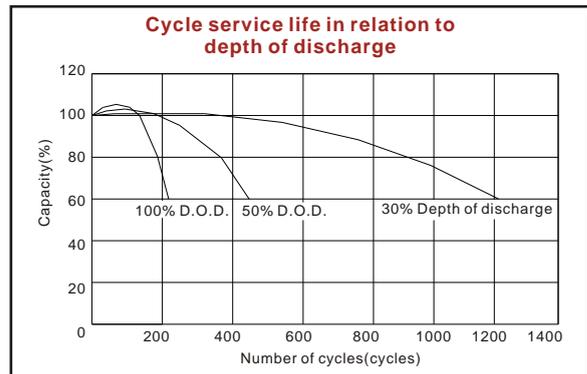
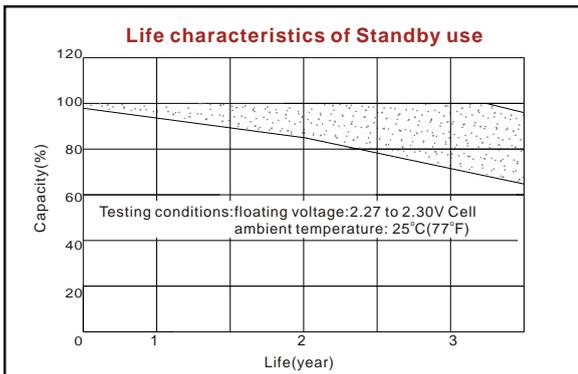
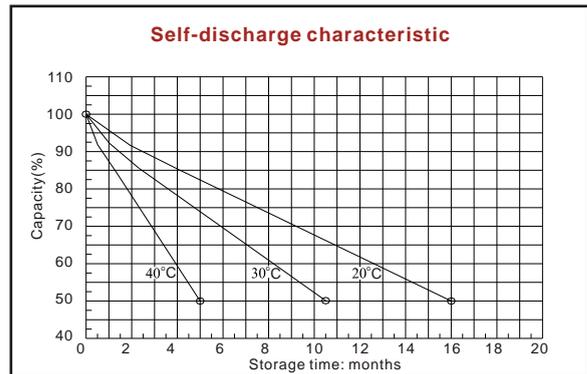
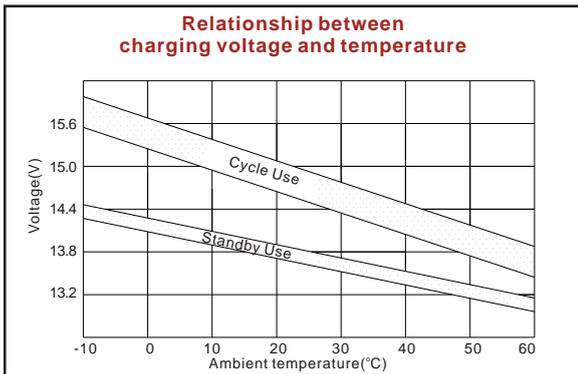
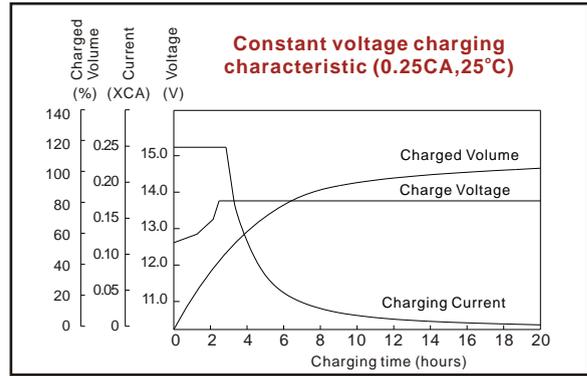
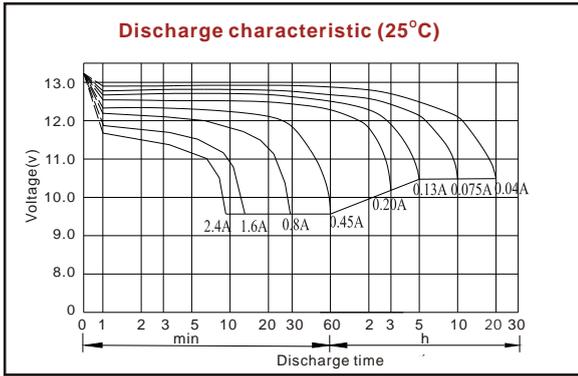
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|--|------------|
| Nominal Voltage | 12V |
| Number of cell | 6 |
| Design Life | 3-5 years |
| Nominal Capacity 77°F(25°C) | |
| 20 hour rate (0.04A, 10.5V) | 0.8Ah |
| 10 hour rate (0.075A, 10.5V) | 0.75Ah |
| 5 hour rate (0.13A, 10.5V) | 0.65Ah |
| 1 hour rate (0.45A, 9.6V) | 0.45Ah |
| Internal Resistance | |
| Fully Charged battery 77°F(25°C) | 260mOhms |
| Self-Discharge | |
| 3% of capacity declined per month at 20°C(average) | |
| Operating Temperature Range | |
| Discharge | -20~60°C |
| Charge | -10~60°C |
| Storage | -20~60°C |
| Max. Discharge Current 77°F(25°C) | 12A(5s) |
| Short Circuit Current | 40A |
| Charge Methods: Constant Voltage Charge 77°F(25°C) | |
| Cycle use | 14.5-14.9V |
| Maximum charging current | 0.32A |
| Temperature compensation | -30mV/°C |
| Standby use | 13.6-13.8V |
| Temperature compensation | -20mV/°C |

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

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|----------------------|------|-------|-------|-------|------|------|------|-------|------|
| 1.60V | 2.83 | 1.85 | 1.45 | 0.77 | 0.45 | 0.21 | 0.14 | 0.080 | 0.04 |
| 1.65V | 2.68 | 1.76 | 1.39 | 0.74 | 0.43 | 0.20 | 0.13 | 0.078 | 0.04 |
| 1.70V | 2.53 | 1.67 | 1.32 | 0.71 | 0.42 | 0.20 | 0.13 | 0.077 | 0.04 |
| 1.75V | 2.37 | 1.58 | 1.25 | 0.67 | 0.40 | 0.19 | 0.13 | 0.075 | 0.04 |
| 1.80V | 2.21 | 1.48 | 1.18 | 0.64 | 0.38 | 0.18 | 0.12 | 0.073 | 0.04 |

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

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h |
|----------------------|------|-------|-------|-------|-------|------|------|------|------|
| 1.60V | 5.60 | 3.65 | 2.90 | 1.50 | 1.26 | 0.88 | 0.60 | 0.42 | 0.28 |
| 1.65V | 5.25 | 3.44 | 2.74 | 1.43 | 1.20 | 0.84 | 0.58 | 0.41 | 0.27 |
| 1.70V | 4.91 | 3.23 | 2.58 | 1.35 | 1.14 | 0.80 | 0.56 | 0.40 | 0.27 |
| 1.75V | 4.56 | 3.01 | 2.42 | 1.27 | 1.08 | 0.76 | 0.54 | 0.39 | 0.26 |
| 1.80V | 4.23 | 2.80 | 2.26 | 1.19 | 1.02 | 0.72 | 0.52 | 0.38 | 0.25 |



ISO9001:2000

MH25860

G4M19906-9202-E-16

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