

CP260 2V 6Ah(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

| 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

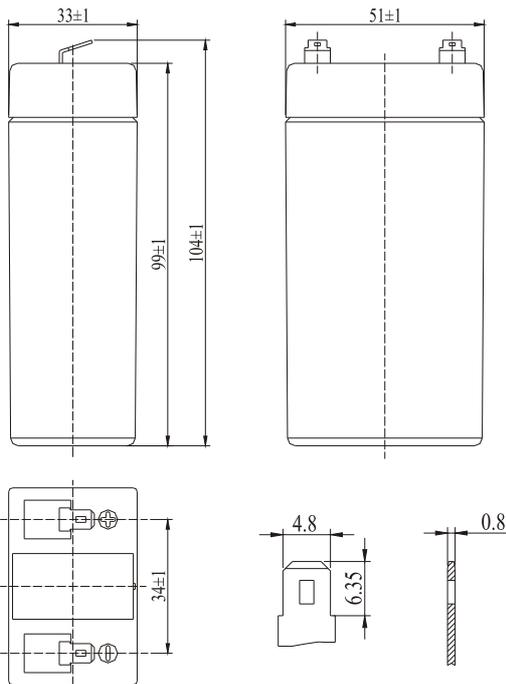
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed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

Performance Characteristics

- Nominal Voltage2V
- Number of cell1
- Design Life3-5 years
- Nominal Capacity 77°F(25°C)
 - 20 hour rate (0.3A, 1.75V) 6Ah
 - 10 hour rate (0.55A, 1.75V) 5.5Ah
 - 5 hour rate (1.04A, 1.75V) 5.2Ah
 - 1 hour rate (4.83A, 1.6V) 4.83Ah
- Internal Resistance
 - Fully Charged battery 77°F(25°C) 5mOhms
- 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) 90A(5s)
- Short Circuit Current 300A
- Charge Methods: Constant Voltage Charge 77°F(25°C)
 - Cycle use 2.4-2.5V
 - Maximum charging current 2.4A
 - Temperature compensation -5.0mV/°C
 - Standby use 2.25-2.3V
 - Temperature compensation -3.3mV/°C

Dimensions and Weight

- Length(mm / inch) 51 / 2.01
- Width(mm / inch) 33 / 1.30
- Height(mm / inch) 99 / 3.90
- Total Height(mm / inch) 104 / 4.09
- Approx. Weight(Kg / lbs) 0.44 / 0.97

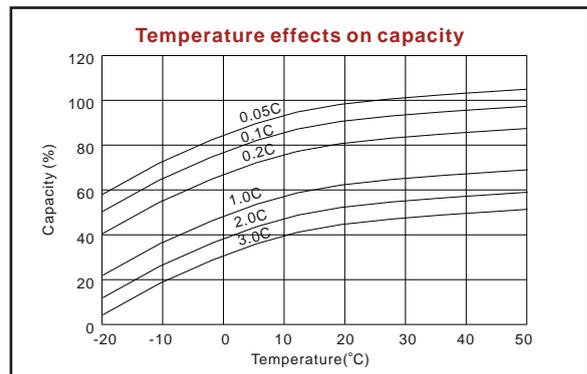
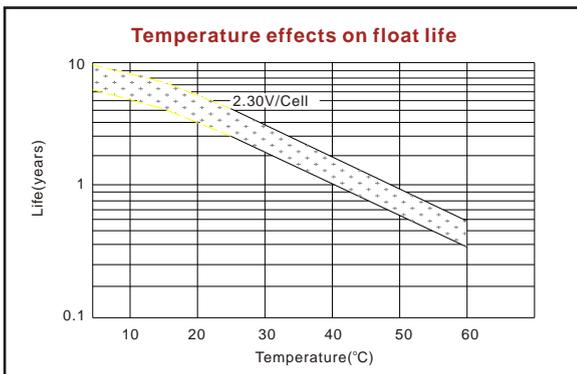
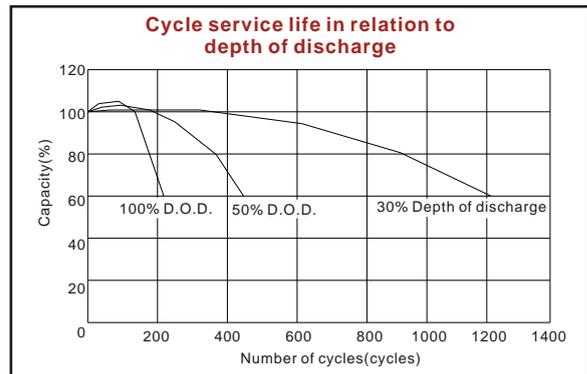
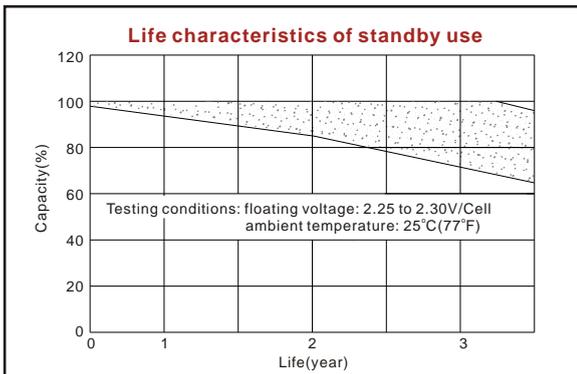
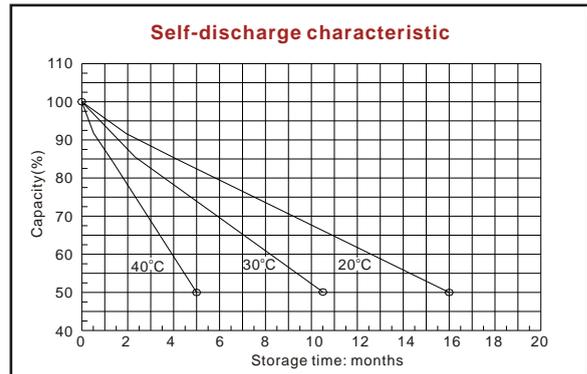
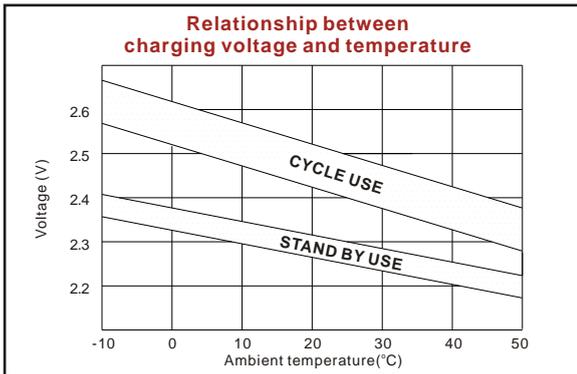
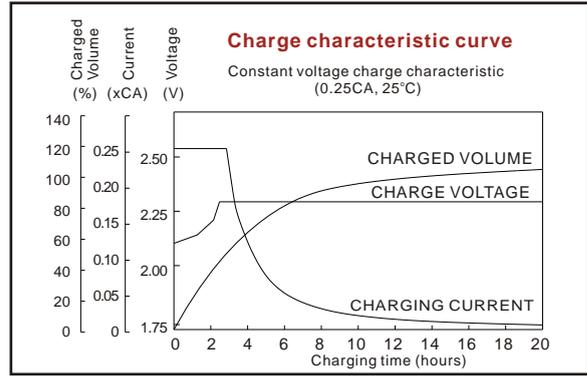
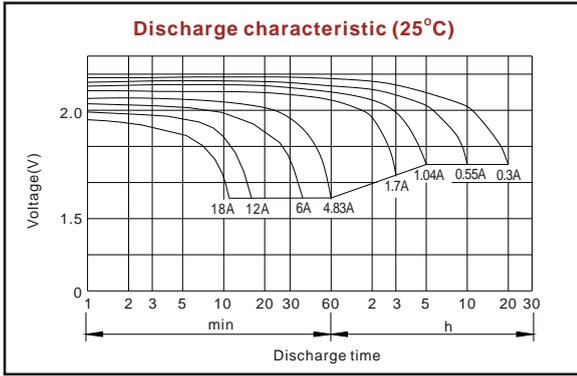


Discharge Constant Current (Amperes at 77°F25°C)

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 1h | 3h | 5h | 10h | 20h |
|----------------------|------|-------|-------|-------|------|------|------|------|------|
| 1.60V | 28.7 | 19.2 | 14.2 | 8.19 | 4.83 | 1.81 | 1.09 | 0.58 | 0.31 |
| 1.65V | 27.1 | 18.2 | 13.6 | 7.87 | 4.66 | 1.76 | 1.09 | 0.58 | 0.31 |
| 1.70V | 25.4 | 16.9 | 12.9 | 7.52 | 4.47 | 1.70 | 1.06 | 0.58 | 0.30 |
| 1.75V | 24.0 | 15.4 | 12.3 | 7.15 | 4.27 | 1.65 | 1.04 | 0.55 | 0.30 |
| 1.80V | 22.3 | 13.7 | 11.6 | 6.77 | 4.07 | 1.57 | 0.99 | 0.53 | 0.30 |

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

| End Point Volts/Cell | 5min | 10min | 15min | 30min | 45min | 1h | 2h | 3h | 5h |
|----------------------|------|-------|-------|-------|-------|------|------|------|------|
| 1.60V | 52.4 | 34.0 | 28.0 | 17.2 | 12.2 | 9.64 | 5.24 | 3.78 | 2.29 |
| 1.65V | 49.9 | 32.5 | 26.9 | 16.5 | 11.8 | 9.36 | 5.11 | 3.69 | 2.30 |
| 1.70V | 47.1 | 30.3 | 25.8 | 15.9 | 11.3 | 9.02 | 4.95 | 3.59 | 2.26 |
| 1.75V | 44.7 | 27.7 | 24.6 | 15.2 | 10.9 | 8.68 | 4.79 | 3.50 | 2.22 |
| 1.80V | 41.7 | 24.7 | 23.3 | 14.5 | 10.4 | 8.31 | 4.58 | 3.34 | 2.13 |



ISO9001:2000

MH25860

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