CML 080 GEL

Gel Deep-cycle Battery

Specification

Nominal Voltage

Nominal Capacity(20Hr)

Dimensions

Approx Weight Terminal

Container Material

Rated Capacity

Max. Discharge Current Internal Resistance

Operating Temp.Range

Nominal Operating Temp. Range

Cycle Use

Standby Use

Capacity affected by Temperature

Self Discharge

12V

80Ah Lenath 260 ± 2mm (10.2 inches) Width 169 ± 2mm (6.61 inches) Container Height 211 ±2mm (8.19 inches)

Total Height (with Terminal) 215 ± 2mm (8.43 inches) Approx 22.0 kg (47.6lbs) ± 2% tolerance

T3 (M6X16) / Torque: 3.9 ~ 5.4Nm

ABS

80.0 AH/4.0A (20hr ,1,80V/cell,25°C/77°F) 76.0 AH/7.6A (10hr,1.80V/cell,25°C/77°F) 72.0 AH/14.4A (5hr,1.75V/cell,25°C/77°F)

840A (5s)

Approx 6.6m Ω

Discharge: -15~50°C (5~122°F) : 0~40°C (32~104°F) Charge : -15~40°C (5~104°F)

25±3°C (77±5°F)

Initial Charging Current less than 21.0A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/C

No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/C

40°C (104°F) 103%

25°C (77°F) 100% 86% 0°C (32°F)

The self-discharge rate is about 2% at 25°C (77°F) per month. Refreshing charge is required after stored for 8 months. For higher temperature, shorter interval.

mbat

Applications

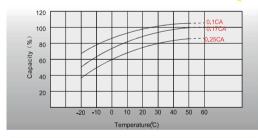
- Solar or Wind Power System
- Stored energy (Photovoltaic)
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Aircraft signal
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply
- DC power supply



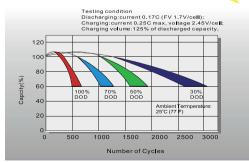


ISO9001 ISO14001

Temperature Effects in Relation to Battery Capacity

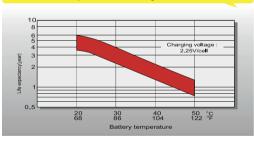


Cycle Life in Relation to Depth of Discharge

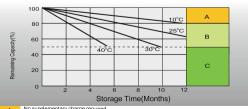


Specifications subject to change without prior notice.

Effect of Temperature on Long Term Float Life



Self Discharge Characteristics



No supplementary charge required. (Carry out supplementary charge before use if 100% capacity is required.)

B Supplementary charge required before us e.Optional charging way as below: 1.Charged for above 3 days at limted current 0.25CA and constant volatge 2.25V/cell. Charg ed for above 20 hours at limited current 0.25CA and constant volatge 2.45V/cell.
 Charg ed for 8~10 hours at limited current 0.05CA.

Supplem entary charge may often fail to recover the capacity.
The battery sho uld nev er be left standing till this is reached.