CML 130 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

Operating Temp. Range

Cycle Use

Standby Use

Capacity affected by

Temperature

Self Discharge

12V 130Ah

Length $331\pm 2mm$ (13.0 inches) Width $174\pm 2mm$ (6.81 inches) Container Height $214\pm 2mm$ (8.35 inches) Total Height (with Terminal) $219\pm 2mm$ (8.66 inches)

Approx 33.0kg (72.60lbs) ± 2% tolerance

T4 (M8X16) / Torque: 6.6 ~ 8.3Nm

ABS

130.0 AH/6.5A (20hr ,1.80V/cell,25°C/77°F) 125.0 AH/12.5A (10hr,1.80V/cell,25°C/77°F) 108.0 AH/21.6A (5hr,1.75V/cell,25°C/77°F)

1300A (5s)

Approx 4.0mΩ

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

 $25\pm3^{\circ}$ C (77 $^{\circ}\pm5$ F) but can work in -15 \sim 50 $^{\circ}$ C (5 \sim 122F)

Initial Charging Current less than 36.0A.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%

 0° C
 (32° F)
 86%

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.

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Applications

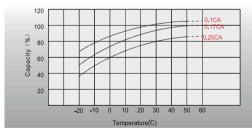
- Solar or Wind Power System
- Stored energy (Photovoltaic)
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Emergency light
- Railway signal
- Aircraft signal
- Alarm and security system
- · Electronic apparatus and equipment
- Telecommunications
-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



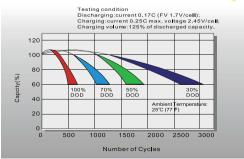


ISO9001 ISO14001

Temperature Effects in Relation to Battery Capacity

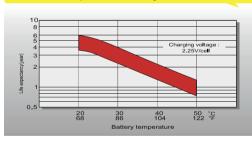


Cycle Life in Relation to Depth of Discharge

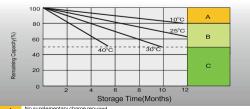


Specifications subject to change without prior notice.

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 Supplem entary charge required before us e.Optional charging way as below:
1.Charge d for above 3 days at limited current 0.25CA and constant volatge 2.25V/cell.
2.Charge d for above 20 hours at limited current 0.25CA.
3.Charge of for 8-10 hours at limited current 0.35CA.

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