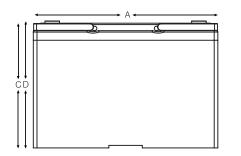
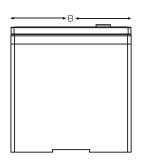


Light Traction Bloc Batteries

G06-12-052 (12V 54Ah @ 5hr)

Eternity Technologies valve regulated lead-acid batteries for the light traction market. With an innovative Gel-technology and maintenance free design, Eternity Technology Gel Bloc batteries are compatible with all universal cyclic applications.





Electrical Specifications

| Voltage | 12V |
|-------------------------|--|
| 80% DOD Voltage Cutoff | 11.2V |
| Self Discharge | Less than 3% per month (20°C/68°F) |
| Charge Temperature | Min: -10°C (14°F) / Max: 50°C (122°F) |
| Discharge Temperature** | Min: -40°C (-40°F) / Max: 50°C (122°F) |
| Storage | Min: -20°C (-4°F) / Max: 60°C (140°F) |

| Amp Hours (AH) | | | | | |
|----------------|-------|-----|------|-----|-----|
| 20 HR | 10 HR | 5HR | 3 HR | 2HR | 1HR |
| 61 | 59 | 54 | 52 | 50 | 46 |

** CAUTION: Depths of discharge, operating voltages and currents, when designing systems for use at maximum temperatures, will vary.

Mechanical Specifications

| Industry Reference | 34 | | | |
|---------------------------|--------|--------|--|--|
| Length (A) | 10 in | 254 mm | | |
| Width (B) | 6.6 in | 168 mm | | |
| Height (C) | 6.9 in | 175 mm | | |
| Height (D) | 7.0 in | 177 mm | | |
| Weight | 46 lbs | 21kgs | | |
| Terminal (Opt'l)* | M6 | | | |
| Cell(s) | 6 | | | |
| Electrolyte | Gel | | | |
| Terminal Torque Nm | 6 | | | |

NOTE: There is a tolerance of +/-2%.

* Including A-Terminal





| Left - Negative | Right - Positive |
|-----------------|------------------|
| | ••• |
| 000 | 000 |
| | |

Features

Maintenance-free bloc batteries in Gel technology (no topping up during lifetime)

Good high current performance for extreme operating conditions

High-class patented safety valve

700 cycles (DIN EN 60254-1) (IEC 254-1)

Valve-regulated lead-acid battery

Recyclable

Long cycle life

Low self discharge rate allows for up to 2 years shelf life

Classified as a non-spillable battery is not restricted for transportation by:

- Air (IATA/ICAO provision 67)
- Ground (STB, DOT-CFR-HMR49)
- Water (IMDG amendment 27)

Applications

Electric vehicles

Wheelchairs

Cleaning machines

Electric working platforms

Universal for multiple cyclic applications

Compliant with

EN60254-1&2 & IEC254-1/2 ISO 7176-25 SAE J 1495

Charging profile

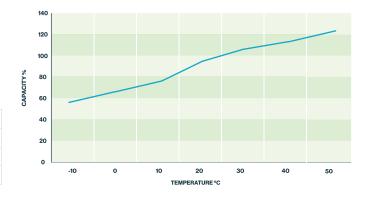
| IU Charging | $I = min. 12\% C_5 max. 18\% C_5$ U = 2.4 V per cell |
|--------------|---|
| IUI Charging | l₁ = min. 12% C₅ max. 18% C₅ U = 2.35 V per cell |

 $I_2 = 1.5 \% C_5$ for max. 4 hours

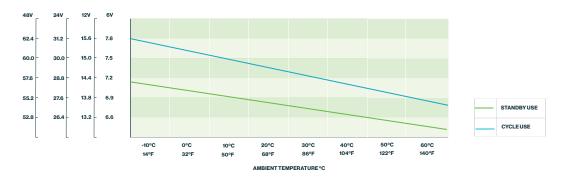
Self discharge at different temperatures

CAPACITY MONTHS

Capacity vs. temperature



Relation between charging, voltage and temperature



10°C

20°C

30°C

40°C

Storage: Determine the state of charge

