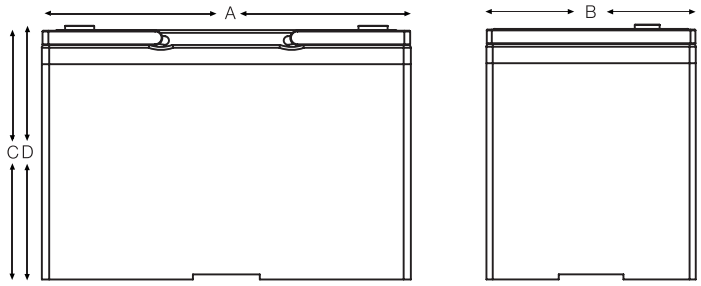
Eternity TECHNOLOGIES

Light Traction Bloc Batteries

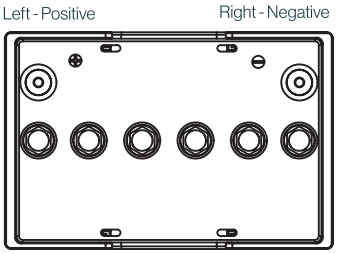
G06-12-105

(12V 105Ah @ 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.



B Part of our Bloc Batteries range



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**	**5 HR**	**3 HR**	**2 HR**	**1 HR**
120	116	105	97	91	74

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

Mechanical Specifications

Industry Reference	12	
Length (A)	13 in	329 mm
Width (B)	6.7 in	170 mm
Height (C)	10.2 in	258 mm
Height (D)	10.2 in	260 mm
Weight	97 lbs	44 kgs
Terminal (Opt'l)*	M8	
Cell(s)	6	
Electrolyte	Gel	
Terminal Torque Nm	8	

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

* Including A-Terminal

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
- Classified as a non-spillable battery is not restricted for trabsportation 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 & IEC254-1

+607444546 clientes@todobateriascom www.todobaterias.com

Charging profile

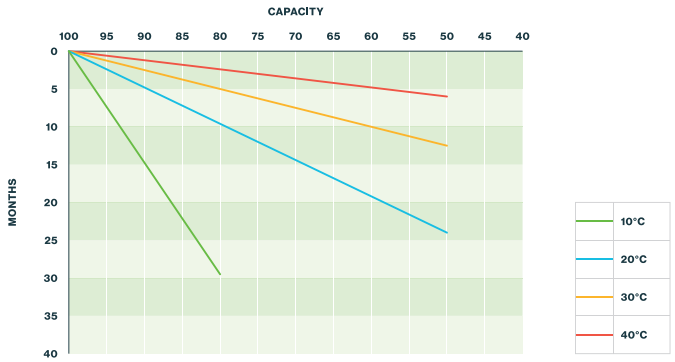
IU Charging

I = min. 12% C_5 max. 18% C_5
U = 2.4 V per cell

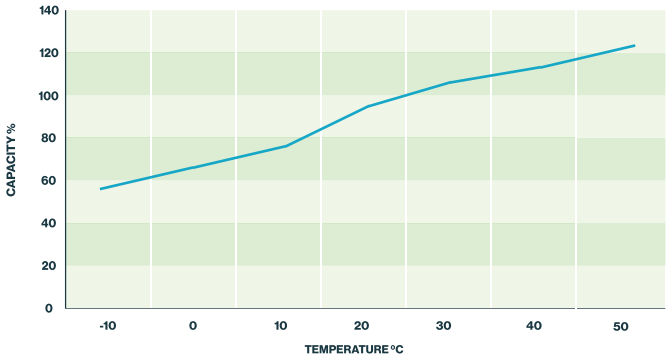
IUI Charging

I_1 = min. 12% C_5 max. 18% C_5
U = 2.35 V per cell
I_2 = 1.5 % C_5 for max. 4 hours

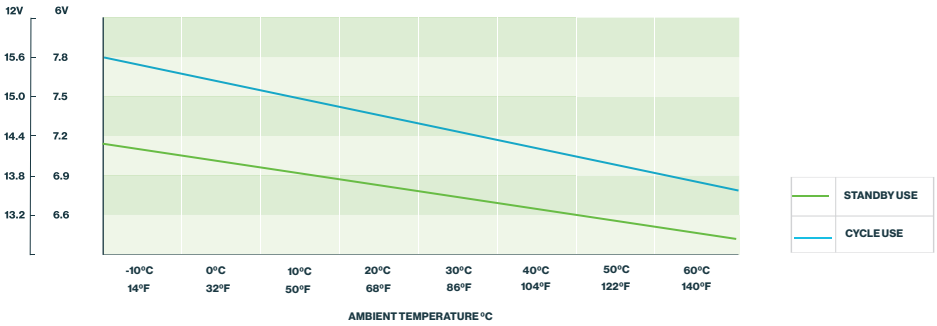
Self discharge at different temperatures



Capacity vs. temperature



Relation between charging, voltage and temperature



Storage: Determine the state of charge