

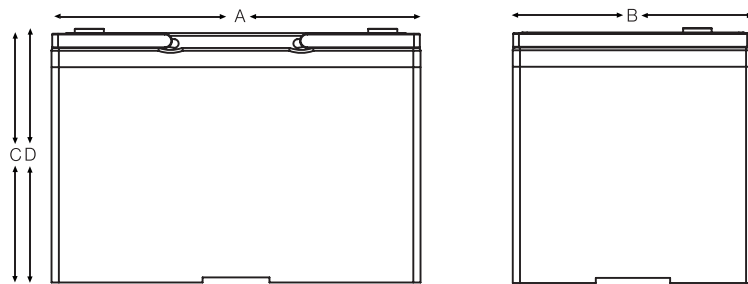


## Light Traction Bloc Batteries

# G06-12-066

(12V 66Ah @ 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
<b>80% DOD Voltage Cutoff</b>	11.2V
Self Discharge	Less than 3% per month (20C/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
80	73	66	61	57	46

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

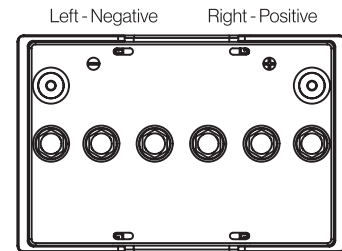
### Mechanical Specifications

Industry Reference	24	
Length (A)	10 in	254 mm
Width (B)	6.6 in	168 mm
Height (C)	8.0 in	202.5 mm
Height (D)	8.1 in	204.5 mm
Weight	52 lbs	24 kgs
Terminal (Opt'l)*	M6	
Cell(s)	6	
Electrolyte	Gel	
Terminal Torque Nm	6	

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

\* Including A-Terminal

**B** Part of our Bloc Batteries range



### 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 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 & IEC254-1

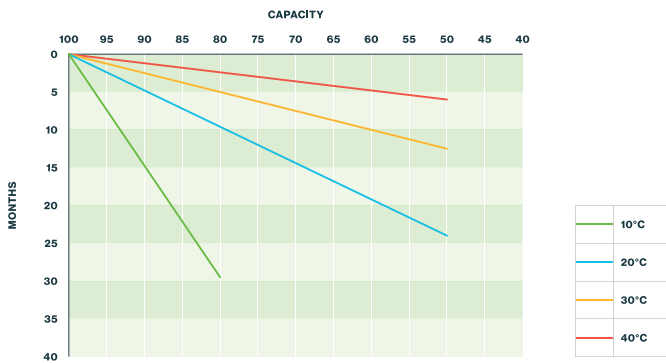
# Charging profile

IU Charging  $I = \text{min. } 12\% C_5 \text{ max. } 18\% C_5$   
 $U = 2.4 \text{ V per cell}$

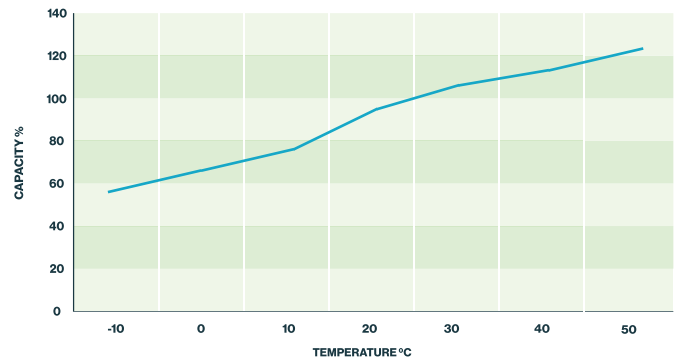
IUI Charging  $I_1 = \text{min. } 12\% C_5 \text{ max. } 18\% C_5$   
 $U = 2.35 \text{ V per cell}$   
 $I_2 = 1.5\% C_5 \text{ for max. } 4 \text{ hours}$

Consigliamo i caricabatterie della nostra serie ZHF; per corretto dimensionamento con relativa taratura interfacciarsi con UBS.  
 We recommend our ZHF series charger; contact UBS for the suitable charge cycle.

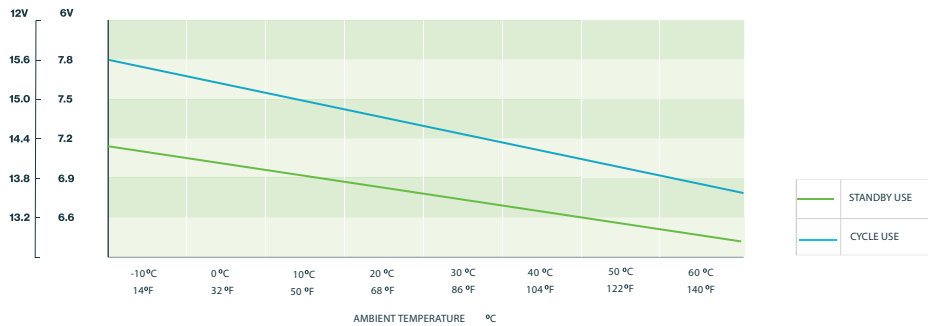
## Self discharge at different temperatures



## Capacity vs. temperature



## Relation between charging, voltage and temperature



## Storage: Determine the state of charge

