

LIGHTHOUSE
LIGHT UP YOUR HOUSE
BY **CHLORIDE**



Management Service



CLH 12-45
(12V 45AH)



Application

- Solar and renewable energy
- Fire alarm and security systems
- UPS
- Generators
- Communication power supply
- Emergency lighting
- Telecommunication system
- Golf and electric vehicles
- Electronic apparatus and equipment
- Auto control system
- DC Power Supply
- Backup power for testing and measuring instruments

Features

- Sealed lead acid
- Maintenance free (with magic eye)
- Compact design
- Stable quality and high reliability
- 10 years design time at floating voltage (at 25°C)

Specifications

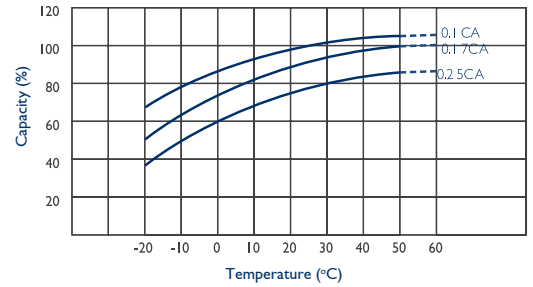
NOMINAL VOLTAGE 12V

Rated Capacity @ (25°C)	100hr rate (1.8V/cell) 57Ah	20hr Rate (1.75V/cell) 45Ah	10hr Rate (1.70V/Cell) 42Ah	5hr Rate (1.60V/Cell) 40Ah	1hr Rate (1.60V/cell) 28.5AH
Dimensions (mm) ± 2mm & Weight (kg)	Length 207mm	Width 175mm	Height 190mm	Overall Height 190mm/ 220mm	Weight approx. 13kg

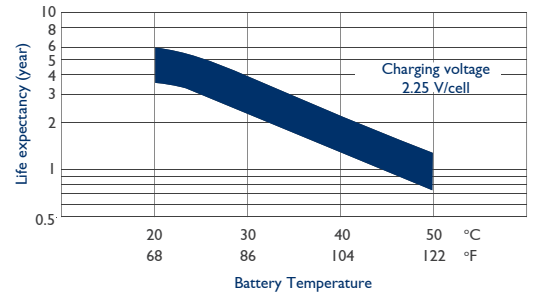
TECHNICAL CHARACTERISTICS

Design Life at float voltage at 25°C	10 years
Eurobat Classification	High Performance
Internal Resistance (Fully charged at 25°C)	10 mΩ
Short-circuit current	950A
Max Charging current	7A
Min and safe discharge voltage	1.60 V/cell
Self discharge per week at 25°C	<1%
Recommended Charging Voltage at 25°C	Stand-by use (V/cell): 2.25 to 2.30 Cycle use (V/cell): 2.40 to 2.50
Container Material	P.P. (Poly Propylene)
Electrolyte Type	Sulfuric Acid
Type of plates / Alloy	Lead calcium expanded grid technology
Type of separator	P.E. with Glass Mat
Operating Temperature Range	-10 to + 55°C
Storage time without charging at 25°C	6 months
Estimated Cycle Life at 25°C	1500 Cycles at 20% DOD 750 Cycles at 50% DOD 450 Cycles at 80% DOD

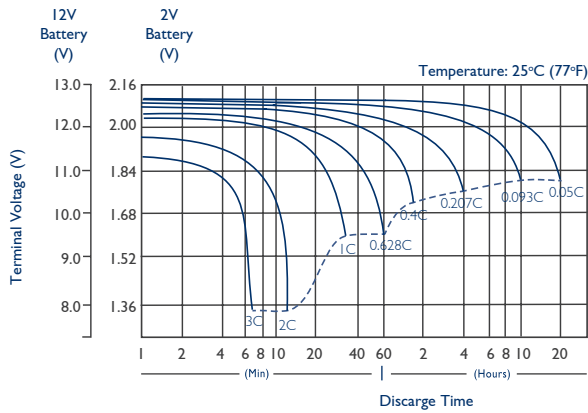
Temperature Effects in Relation to Battery Capacity



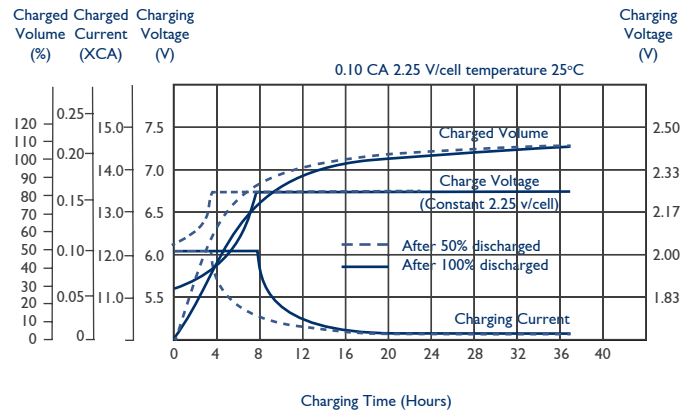
Effect of Temperature on Long Term Float Life



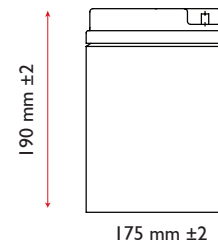
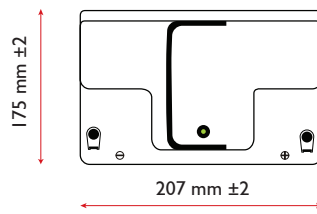
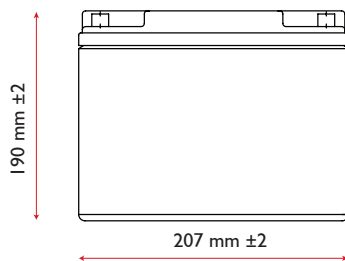
Discharge Characteristics



Float Charging Characteristics



Dimensions



All data is subject to change without notice

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