

TECHNICAL DATA SHEET

CL16HC

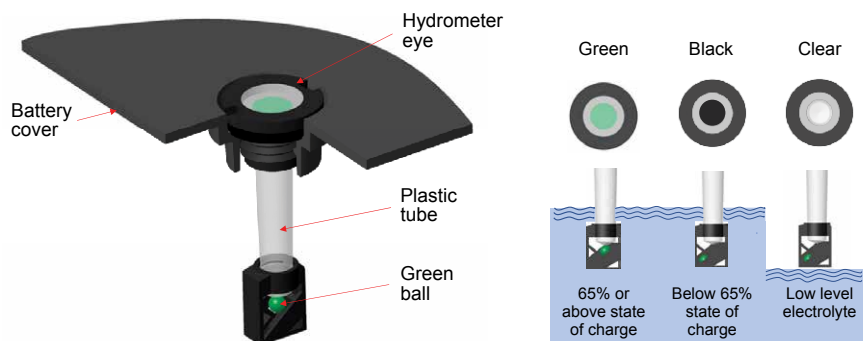
SPECIFICATIONS

Part Number	CL16HC
BCI Group	903
Tension	6 Volts
Technology	Wet Acid
Acid Density	1.280
Capacity @20HR	420 Ah
Reserve Capacity	905 min. @25 amp.
Life Cycles	700 cycles at 80% DOD
Terminal Type	Dual, auto post + stud 5/16"
Terminal Torque	11-14.7 N*m (111-150 KGf*cm)
Container Material	Polypropylene
Integrated Hydrometer	Yes
Space between cells	3.37" (3 3/8"), 86 mm
Classification	UN2794

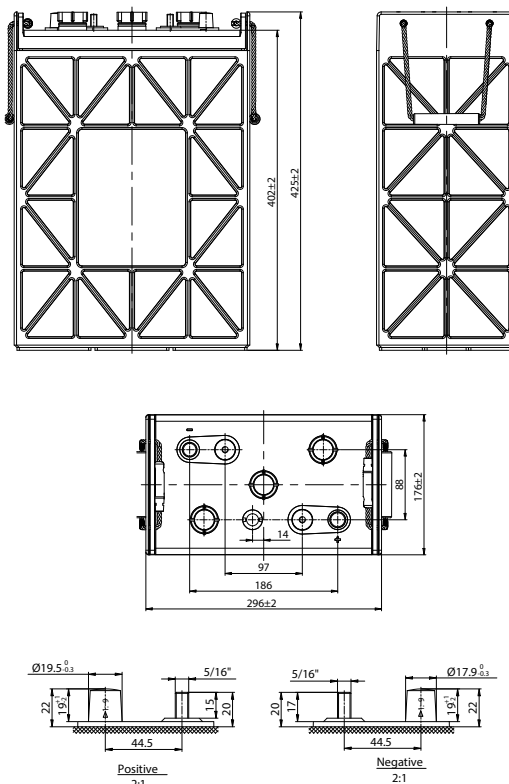
DIMENSIONS

Length	11 5/8" (296 mm)
Width	6 15/16" (176 mm)
Case Height	15 13/16" (402 mm)
Overall Height	16 3/4" (425 mm)
Weight	114.6 lbs (52 kg)

INTEGRATED HYDROMETER



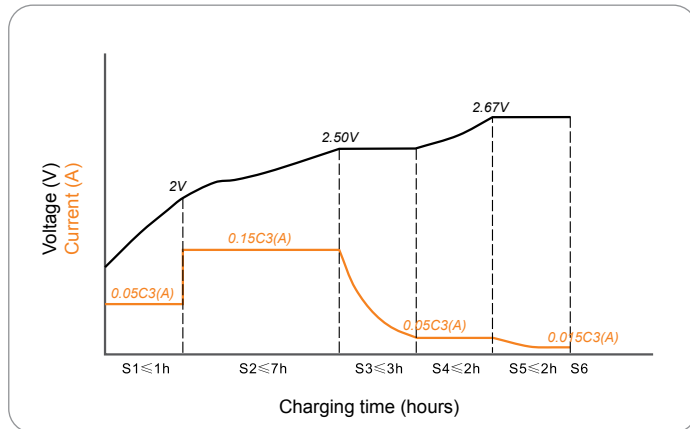
DRAWINGS



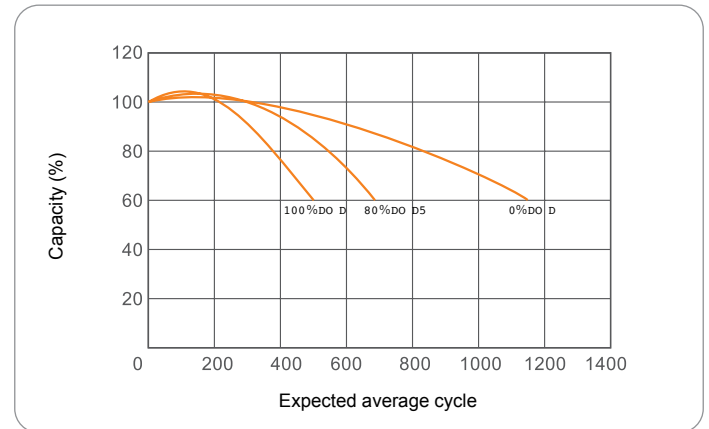
CHARGE INDICATOR	SPECIFIC GRAVITY (25°C)	OPEN CIRCUIT VOLTAGE	CHARGING STATE (%)
GOOD STATUS (65%+)	1.285	6.405	100
	1.265	6.345	90
	1.245	6.285	80
	1.225	6.225	70
CHARGING NECESSARY STATUS (65%-)	1.205	6.165	60
	1.185	6.105	50
	1.165	6.045	40
	1.145	5.985	30
	1.125	5.925	20
	1.105	5.865	10

CHARGE / DISCHARGE PERFORMANCE CURVES

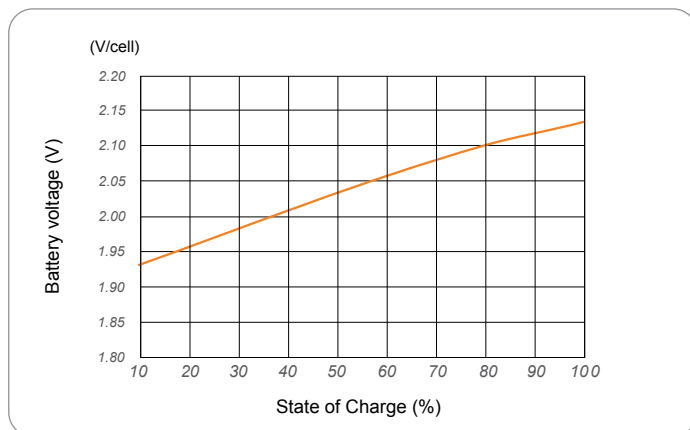
Charging Characteristics (25°C, 77°F)



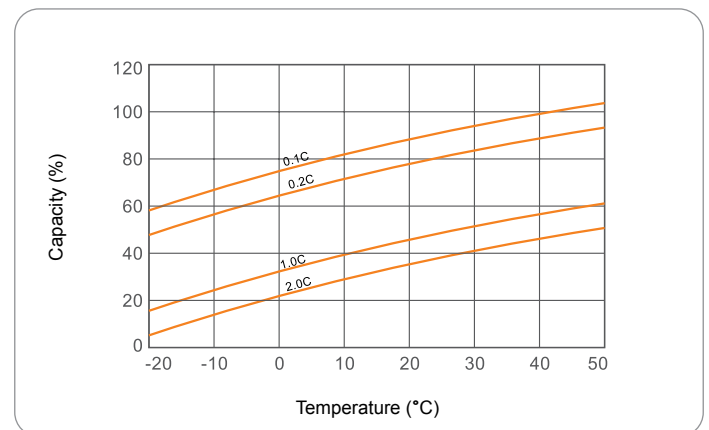
Cycle life in relation to depth of discharge



Relationship of OCV and SOC (25°C, 77°F)



Temperature effects on capacity



CHARGE METHOD

Initial Charge:

- 0.1C₂₀(A) charging 15 h
- 0.05C₂₀(A) charging 10 h

The temperature of the battery should be below 50°C during charging.

Float Voltage:

- 2.25 V/cell, 6.75 V

Equalizing Charge:

- 8.10 V

Supplement Charge:

- Charging at a constant voltage of 7.35~7.5 V/cell and a limited current 0.25C₂₀(A) until the electrolyte density up to 1.280 g/cm³ (30°C) and the current not change for 3 hours.
- Charge with constant current 0.1C₂₀(A) until the voltage between 7.8~8.4 V/cell, and voltage maintains for 3 hours and not change.

Two method optional.

RECYCLING

- 99% recyclable

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