

YUASA maintenance-free rechargeable battery

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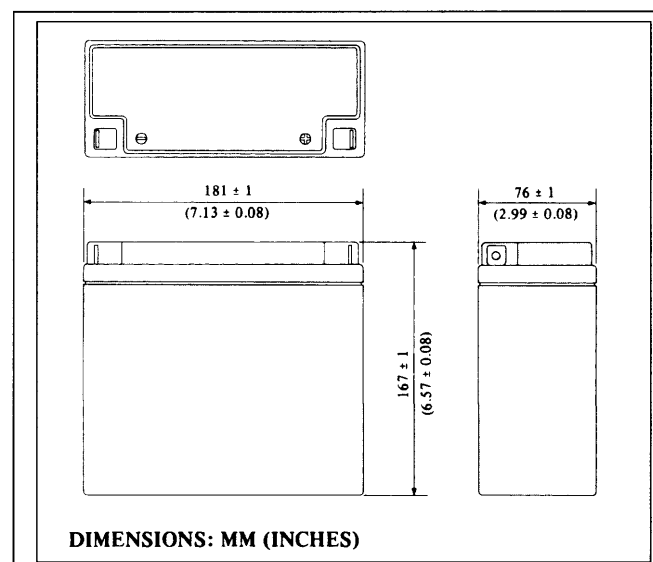
NP17-12 12V, 17.0Ah



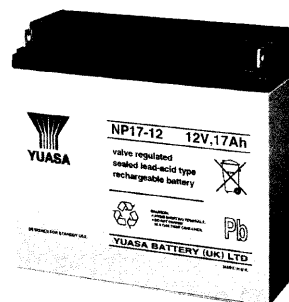
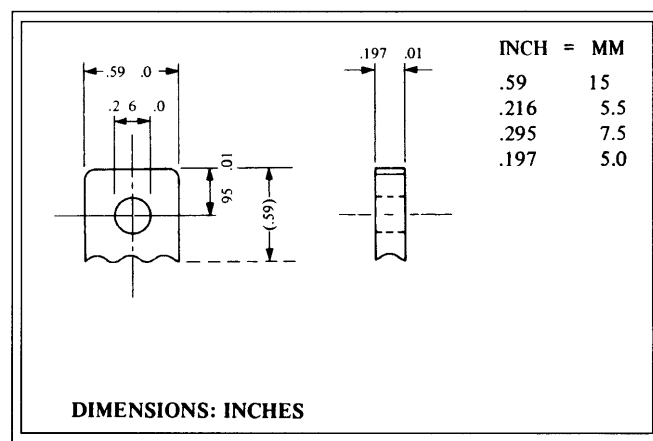
● SPECIFICATIONS

1. Nominal voltage 12 V
2. Nominal capacity
 - 20 hr. rate of 0.85 A to 10.50 V 17.0 A.H.
 - 10 hr. rate of 1.58 A to 10.50 V 15.8 A.H.
 - 5 hr. rate of 2.89 A to 10.20 V 14.45 A.H.
 - 1 hr. rate of 10.20 A to 9.60 V 10.20 A.H.
3. Weight (approx.) 13.6 pounds (6200 gs.)
4. Energy density (20 hr. rate) 1.45 WH/cubic inch (88 WH/litre)
5. Specific energy (20 hr. rate) 15 WH/pound (32.9 WH/kg)
6. Internal resistance of charged battery 12 milliohms (approx.)
7. Maximum discharge current with standard terminals 100 amperes
8. Maximum short-duration discharge current 450 amperes
9. Operating temperature range
 - Charge -15 °C to 50 °C (5 °F to 122 °F)
 - Discharge -20 °C to 60 °C (-4 °F to 140 °F)
10. Charge retention (shelf life) at 20 °C (68 °F)
 - 1 month 97%
 - 3 months 91%
 - 6 months 85%
11. Life expectancy Standby use 3 to 5 years
12. Sealed construction Can be operated, charged or stored in any position without leakage. (Excluding continuous use inverted)
13. Standard terminal Bolt fastened terminal
14. Housing material ABS resin

● DIMENSIONS

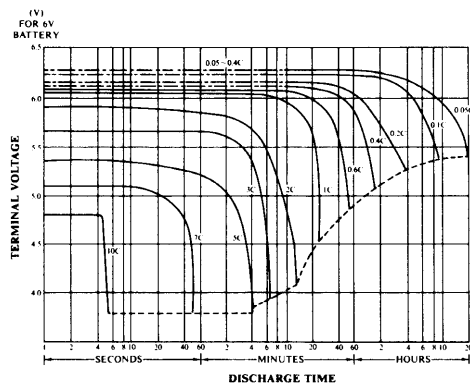


● TERMINAL

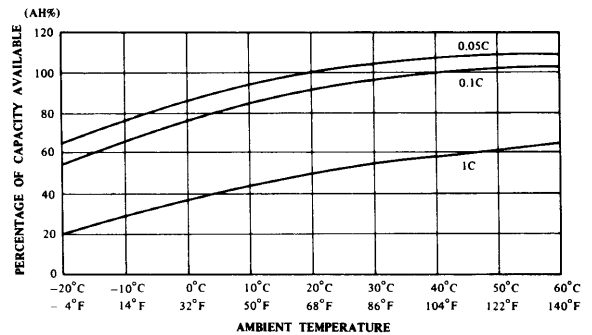


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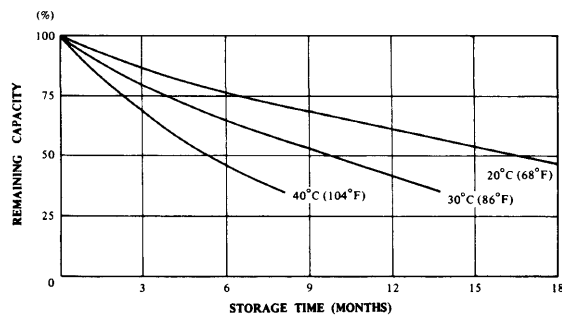
DISCHARGE CHARACTERISTIC CURVES



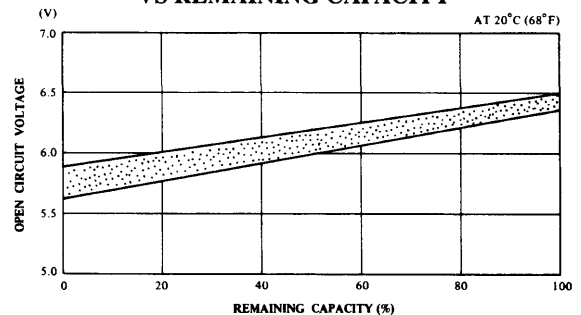
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



SELF DISCHARGE CHARACTERISTICS

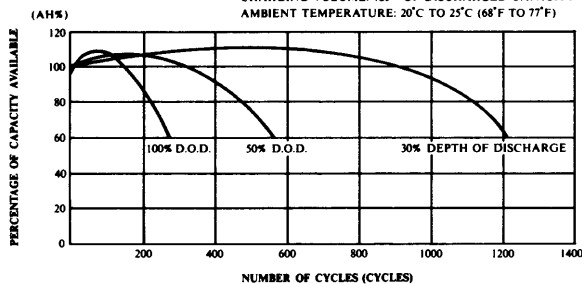


OPEN CIRCUIT VOLTAGE VS REMAINING CAPACITY

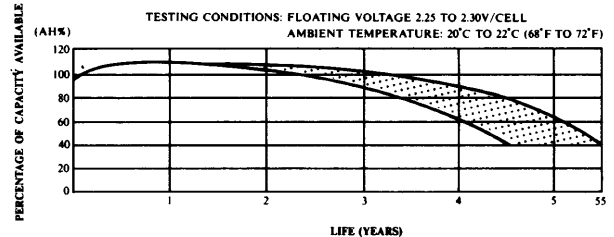


CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE

TESTING CONDITIONS: DISCHARGE CURRENT: 0.17C Amp. (F.V. 1.7V/CELL)
CHARGING CURRENT: 0.09C Amp.
CHARGING VOLUME: 125% OF DISCHARGED CAPACITY
AMBIENT TEMPERATURE: 20°C TO 25°C (68°F TO 77°F)



FLOAT SERVICE LIFE



Graphs 1 & 4. The voltage scale shown on the Y axis should be doubled for 12v Batteries

When the battery will be used by the current in excess of 3C, consult with us prior to use.

CHARGING METHODS (At 20°C)

Cycle use : Maximum charging current 0.25C
Charging voltage 14.4 to 15.0V

Standby use : Float charging voltage 13.50 to 13.80V

CAUTION

- Avoid short circuit
- Do not charge in sealed container.

YUASA BATTERY SALES (UK) LIMITED

Hawksworth Industrial Estate,
Swindon, Wiltshire SN2 1EG
Tel: Swindon (01793) 612723
Fax: (01793) 618862.

Yuasa Battery (Europe) GmbH
Tiefenbroicher WEG 28
4000 Dusseldorf, FR Germany
Tel: 49-211-4180054
Tlx: 8586843 YBSUD
Fax: 49-211-4180556