

SEALED RECHARGEABLE LEAD-ACID

B A T T E R I E S



YUASA

Power/Full Solutions™



NP2-12

12V, 2Ah

Specifications

NOMINAL VOLTAGE: 12V

NOMINAL CAPACITY:

20 hr. rate of 100 ma to 10.50V 2.0Ah

10 hr. rate of 186 ma to 10.50V 1.86Ah

5 hr. rate of 340 ma to 10.20V 1.7Ah

1 hr. rate of 1200 ma to 9.60V 1.2Ah

WEIGHT (approx.): 1.54 pounds (0.70 kgs.)

ENERGY DENSITY (20 hr. rate):

1.56 WH/cubic inch (95 WH/liter)

SPECIFIC ENERGY (20 hr. rate):

15.6 WH/pound (34 WH/kg)

INTERNAL RESISTANCE OF CHARGE:

80 milliohms (approx.)

MAXIMUM DISCHARGE CURRENT WITH STANDARD TERMINALS:

40 amperes

MAXIMUM SHORT-DURATION DISCHARGE CURRENT:

80 amperes

OPERATING TEMPERATURE RANGE:

CHARGE 5°F to 122°F

(-15°C to 50°C)

DISCHARGE -4°F to 140°F

(-20°C to 60°C)

CHARGE RETENTION (shelf life) at 68°F (20°C):

1 month 97%

3 months 91%

6 months 85%

LIFE EXPECTANCY:

STANDBY USE 3 to 5 years

CYCLE USE (approx.)

100% depth of discharge 250 cycles

50% depth of discharge 550 cycles

30% depth of discharge 1200 cycles

SEALED CONSTRUCTION:

Can be operated in any position without leakage.

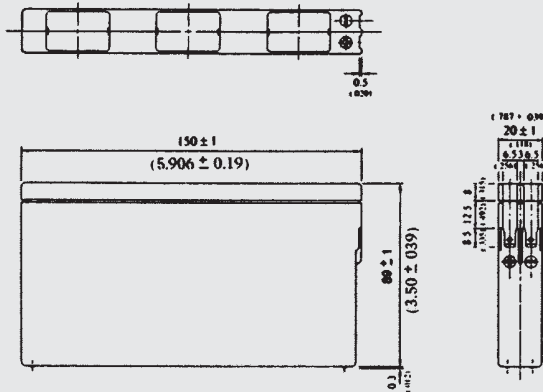
STANDARD TERMINAL:

Quick disconnect .187 and Flat Contact

HOUSING MATERIAL:

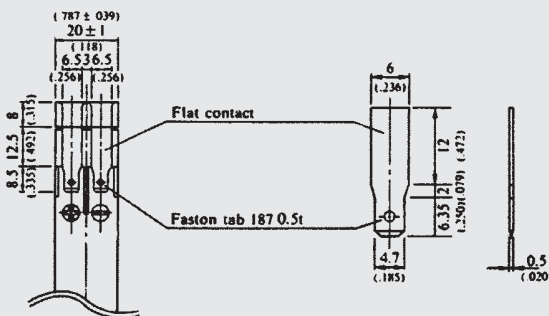
ABS Resin

DIMENSIONS



DIMENSIONS: MM (INCHES)

TERMINAL

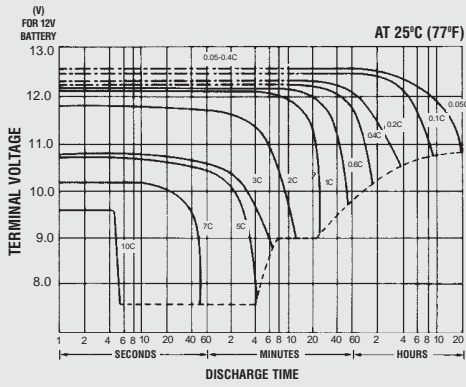


DIMENSIONS: (INCHES)

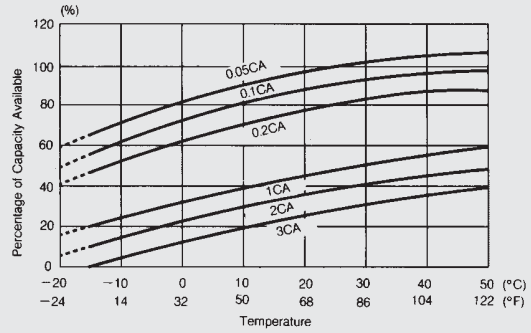


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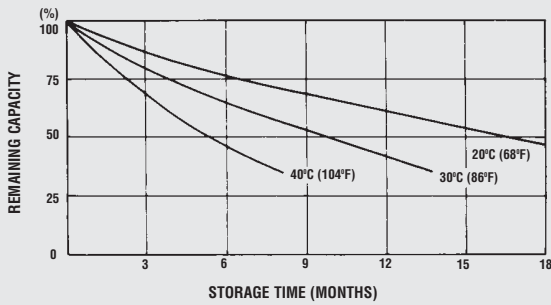
DISCHARGE CHARACTERISTIC CURVES



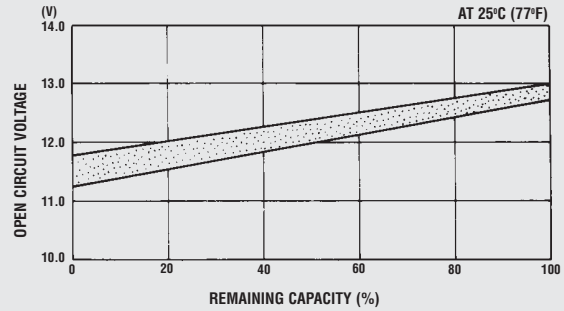
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



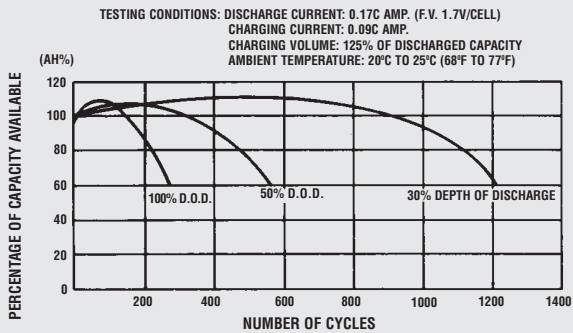
SELF DISCHARGE CHARACTERISTICS



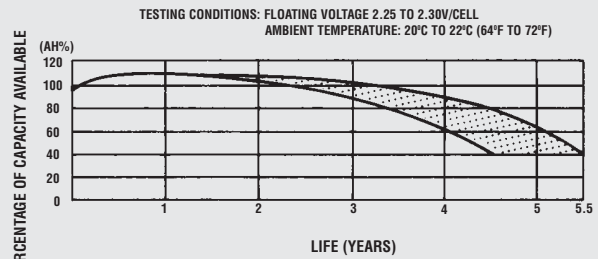
OPEN CIRCUIT VOLTAGE VS REMAINING CAPACITY



CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE



FLOAT SERVICE LIFE



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

CHARGING METHODS (At 20°C)

Cycle use: Maximum charging current 0.5A
 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 a sealed container.

Represented by:



When ordering new batteries, also remember to properly recycle your old lead batteries.

