

Independence™**SEALED RECHARGEABLE LEAD-ACID****B A T T E R I E S****NP7-6
NP7-6FR****6V, 7.0Ah****Specifications****NOMINAL VOLTAGE:** 6V**NOMINAL CAPACITY:**

20 hr. rate of 350 ma to 5.25 V 7.0Ah

10 hr. rate of 650 ma to 5.25 V 6.5Ah

5 hr. rate of 1190 ma to 5.10 V 5.95Ah

1 hr. rate of 4200 ma to 4.80 V 4.2Ah

WEIGHT (approx.): 2.98 pounds (1.35 kgs.)**ENERGY DENSITY (20 hr. rate):**

1.43 WH/cubic inch (87.5 WH/liter)

SPECIFIC ENERGY (20 hr. rate):

13 WH/pound (28.7 WH/kg)

INTERNAL RESISTANCE OF CHARGE:

15 milliohms (approx.)

**MAXIMUM DISCHARGE CURRENT
WITH STANDARD TERMINALS:**

40 amperes

**MAXIMUM SHORT-DURATION
DISCHARGE CURRENT:**

210 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:****100% depth of discharge** 250 cycles (approx.)**50% depth of discharge** 550 cycles (approx.)**30% depth of discharge** 1500 cycles (approx.)**SEALED CONSTRUCTION:**

Can be operated in any position without leakage.

STANDARD TERMINAL:

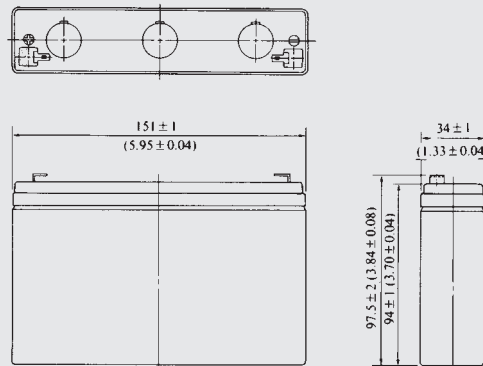
Quick disconnect .187

HOUSING MATERIAL:

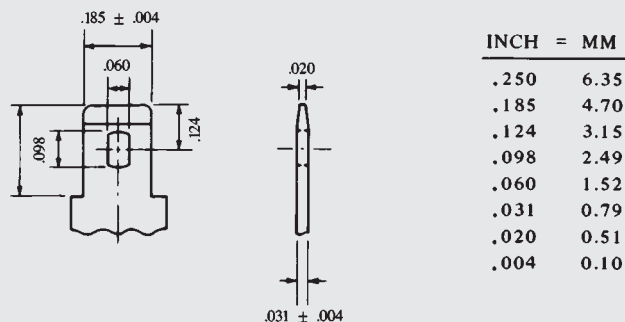
ABS Resin

OPTIONAL: Container and cover made from Flame

Retardant ABS (UL94-V0/L.O.I.>28%)

DIMENSIONS

DIMENSIONS: MM (INCHES)

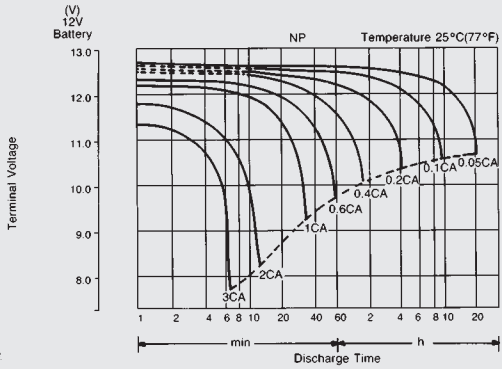
TERMINAL

DIMENSIONS: INCHES

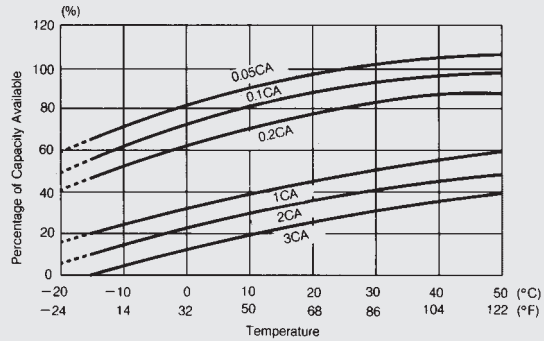


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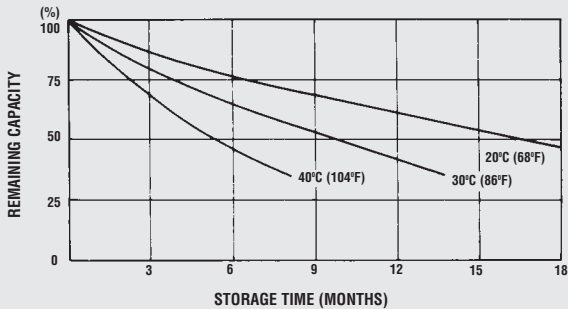
DISCHARGE CHARACTERISTIC CURVES



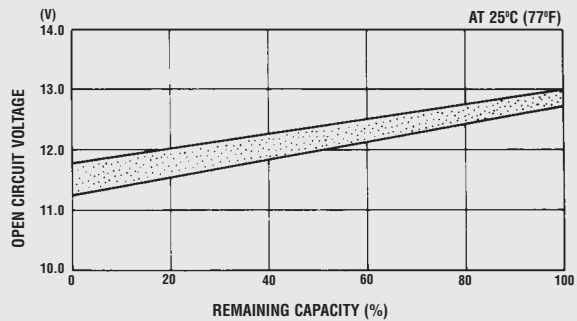
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



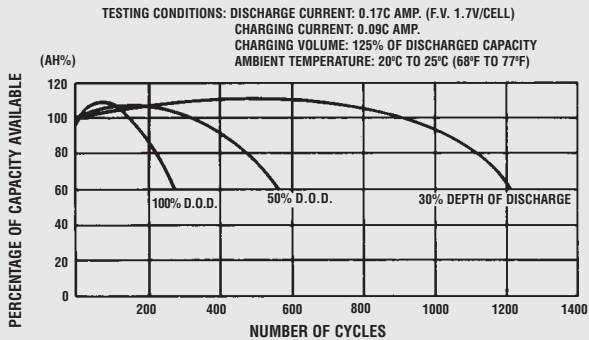
SELF DISCHARGE CHARACTERISTIC



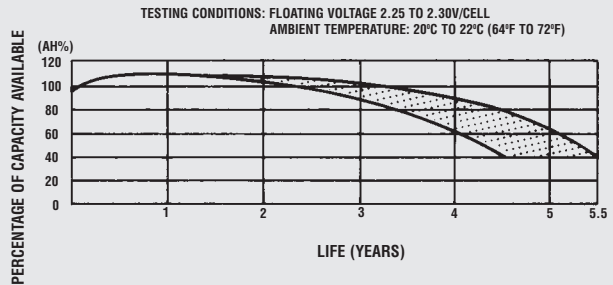
OPEN CIRCUIT VOLTAGE VS REMAINING CAPACITY



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 1.75A

Charging voltage 7.2 to 7.5V

Standby use:

Float charging voltage 6.75 to 6.90V

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. Federal and state regulations require lead-acid batteries be recycled. Yuasa's nationwide service organization can arrange pickup, transportation to and recycling at any one of our company affiliated smelters. Call 1-800-972-7372 for more information.



Power/Full Solutions™

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 FAX 201-964-0720

Western Region: 562-949-4266 • 1-800-423-4667
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