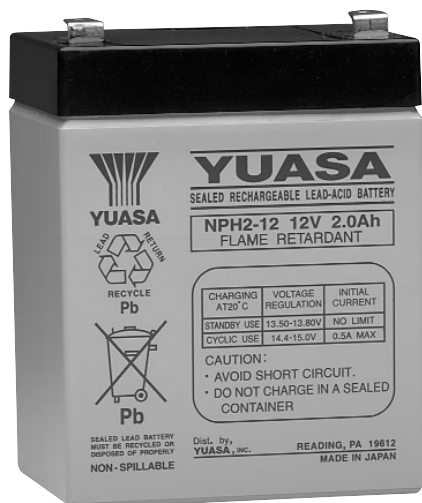


Independence™**SEALED RECHARGEABLE LEAD-ACID****B A T T E R I E S****EnerSys™**
Power/Full Solutions™**YUASA**
NPH2-12
NPH2-12FR**12V, 2Ah****Specifications****NOMINAL VOLTAGE:** 12V**NOMINAL CAPACITY:**

10 hr. rate of 0.2A to 10.50V 2.0Ah

5 hr. rate of 0.36A to 10.20V 1.8Ah

1 hr. rate of 1.50A to 9.60V 1.5Ah

WEIGHT (approx.): 1.85 pounds (84 kgs.)**ENERGY DENSITY (10 hr. rate):**

1.35 WH/cubic inch (82 WH/liter)

SPECIFIC ENERGY (10 hr. rate):

13.0 WH/pound (28.7 WH/kg)

INTERNAL RESISTANCE OF CHARGED BATTERY:

66 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:**

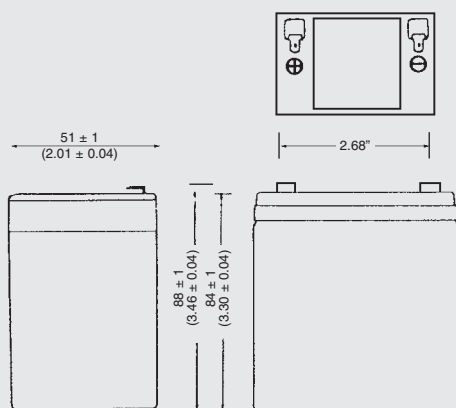
Can be operated in any position without leakage.

STANDARD TERMINAL:

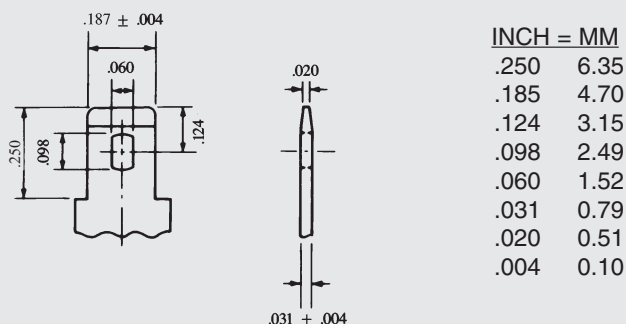
Quick Disconnect .187

HOUSING MATERIAL: ABS Resin**OPTIONAL:** Container and cover made from

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

Dimensions

DIMENSIONS: MM (INCHES)

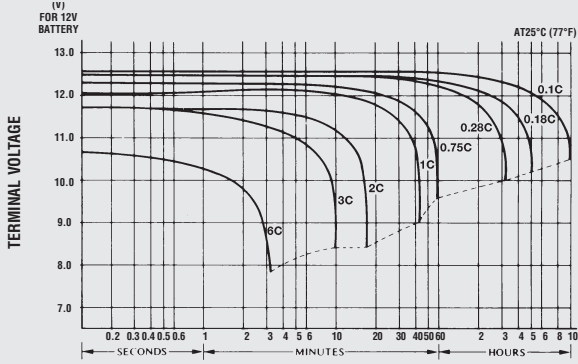
Terminal

DIMENSIONS: (INCHES)

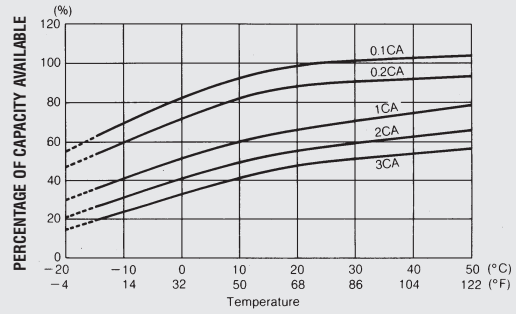


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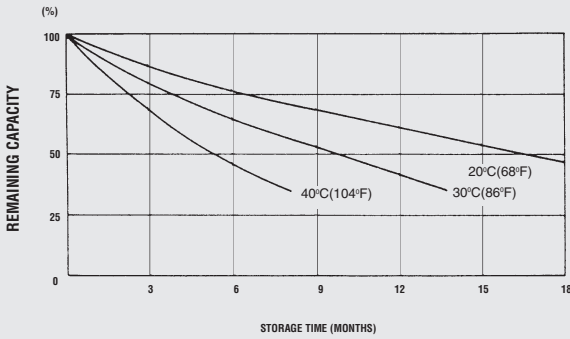
DISCHARGE CHARACTERISTIC CURVES



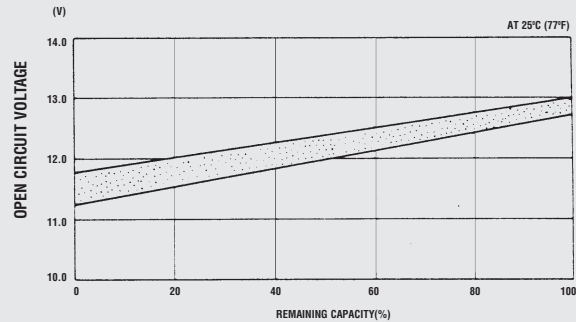
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



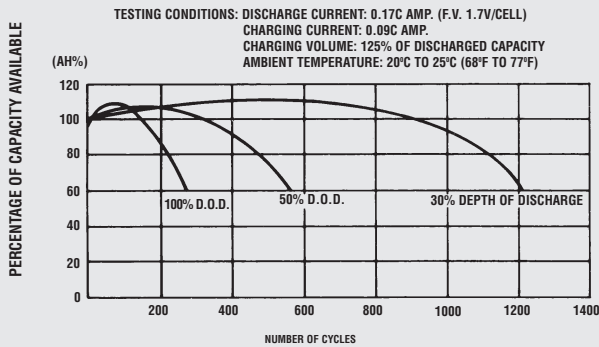
SELF DISCHARGE CHARACTERISTICS



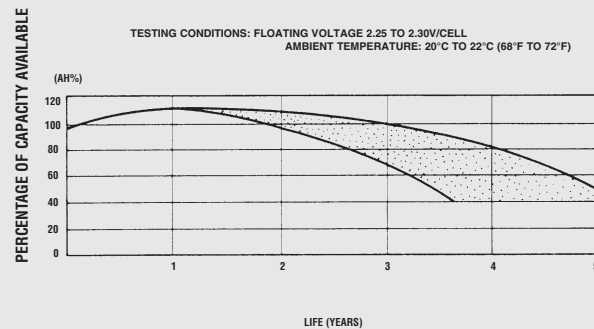
OPEN CIRCUIT VOLTAGE VS REMAINING CAPACITY



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 EnerSys 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. Federal and state regulations require lead-acid batteries be recycled. EnerSys' 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.



Sales Offices

Eastern Region: 201-964-0118 • 1-800-962-1287
FAX 201-964-0720

Western Region: 562-949-4266 • 1-800-423-4667
FAX 562-949-5527

Corporate Office: P.O. Box 14145, Reading, PA 19612-4145
FAX 610-372-8613

Visit us on the web at: www.enersysstationary.com

Please check our website for literature updates

