

**Independence™****SEALED RECHARGEABLE LEAD-ACID****B A T T E R I E S****EnerSys™**  
Power/Full Solutions™**YUASA**  
**NP65-12**  
**NP65-12FR****12V, 65.0Ah****Specifications****NOMINAL VOLTAGE:** 12V**NOMINAL CAPACITY:**

20 hr. rate of 3.25A to 10.50V 65.0Ah

10 hr. rate of 6.05A to 10.50V 60.5Ah

5 hr. rate of 11.05A to 10.20V 55.2Ah

1 hr. rate of 39.0A to 9.60V 39.0Ah

**WEIGHT (approx.):** 50 pounds (22.7 kgs.)**ENERGY DENSITY (20 hr. rate):**

1.26 WH/cubic inch (76 WH/liter)

**SPECIFIC ENERGY (20 hr. rate):**

15.5 WH/pound (34 WH/kg)

**INTERNAL RESISTANCE OF CHARGED BATTERY:**

5 milliohms (approx.)

**MAXIMUM DISCHARGE CURRENT****WITH STANDARD TERMINALS:**

800 amperes

**MAXIMUM SHORT-DURATION****DISCHARGE CURRENT:**

800 amperes

**OPERATING TEMPERATURE RANGE:****CHARGE** 5°F to 122°F

(-15°C to 50°C)

**DISCHARGE** -4°F to 104°F

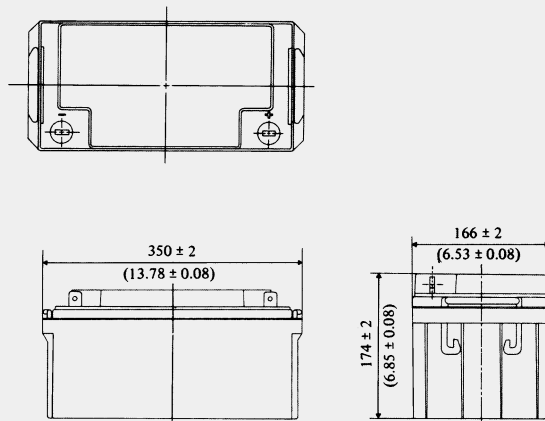
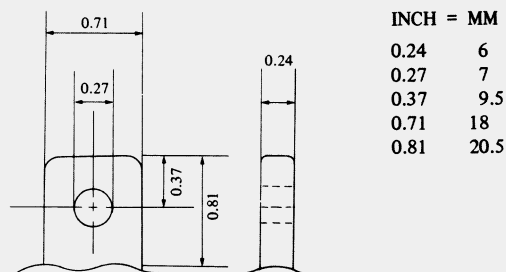
(-20°C to 60°C)

**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.

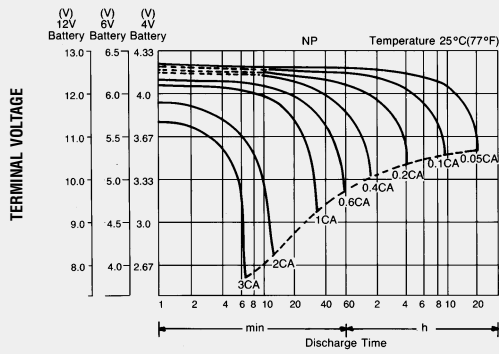
**STANDARD TERMINAL:**

Bolt Fastened Terminal

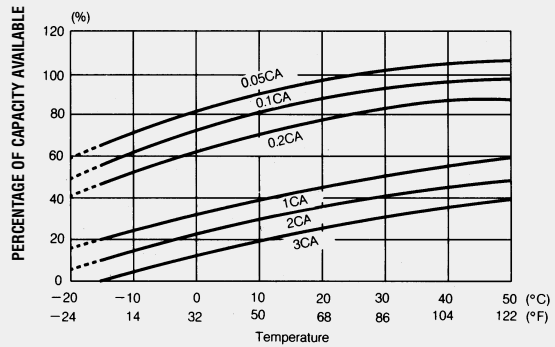
**HOUSING MATERIAL:** ABS Resin**OPTIONAL:** Container and cover made from  
Flame Retardant ABS (UL94-V0/L.O.I.>28%)**DIMENSIONS****TERMINAL**

RECOGNIZED BY UL, File No. MH 12970

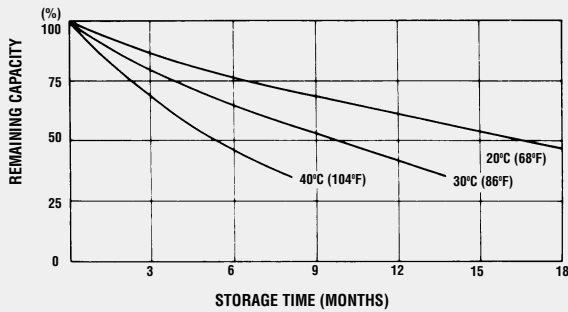
### DISCHARGE CHARACTERISTIC CURVES AT 20°C (68°F)



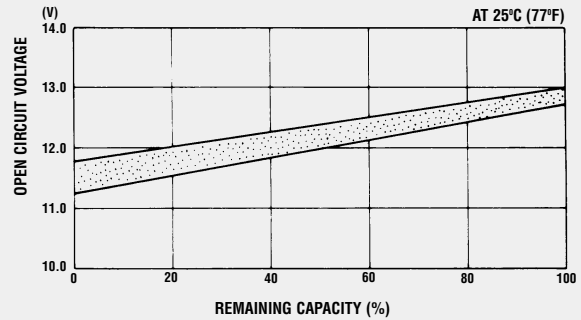
### TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



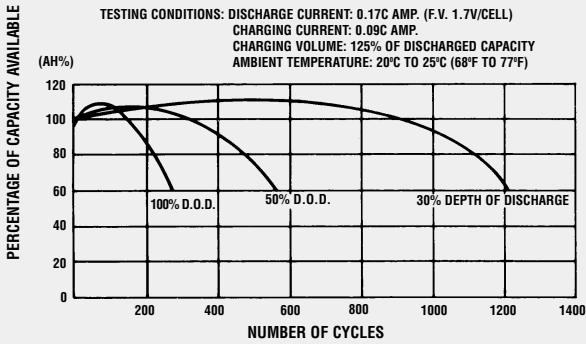
### SELF DISCHARGE CHARACTERISTIC



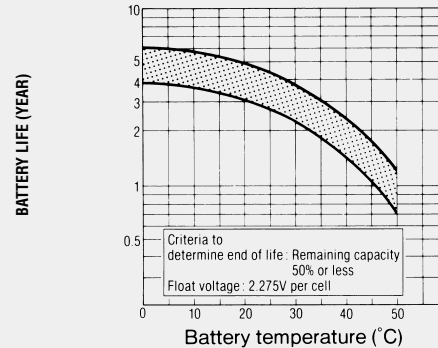
### OPEN CIRCUIT VOLTAGE VS REMAINING CAPACITY



### CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE



### TRICKLE (FLOAT) USE LIFE CHARACTERISTICS



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 16.25A  
 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

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