



## NP4-6

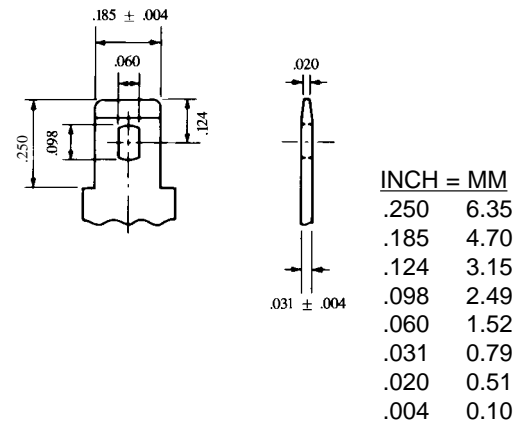
Sealed Rechargeable  
Lead-Acid Battery

### 6V, 4.0Ah

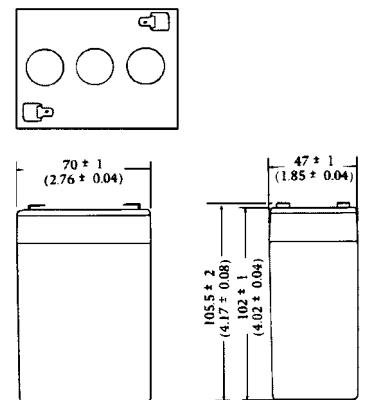
### Specifications

- **NOMINAL VOLTAGE:** 6V
- **NOMINAL CAPACITY:**
  - 20 hr. rate of 0.2A to 5.25V 4.0Ah
  - 10 hr. rate of 0.37A to 5.25V 3.7Ah
  - 5 hr. rate of 0.68A to 5.10V 3.4Ah
  - 1 hr. rate of 2.40A to 4.80V 2.4Ah
- **WEIGHT (approx.):** 1.98 pounds (0.9 kgs.)
- **ENERGY DENSITY (20 hr. rate):** 1.16 WH/cubic inch (71 WH/liter)
- **SPECIFIC ENERGY (20 hr. rate):** 9.7 WH/pound (21.4 WH/kg)
- **INTERNAL RESISTANCE OF CHARGED BATTERY:** 35 milliohms (approx.)
- **MAXIMUM DISCHARGE CURRENT WITH STANDARD TERMINALS:** 40 amperes
- **MAXIMUM SHORT-DURATION DISCHARGE CURRENT:** 120 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

### Terminal



### Dimensions



DIMENSIONS: MM (INCHES)

[www.regulacionups.com.mx](http://www.regulacionups.com.mx)

DISTRIBUIDOR:



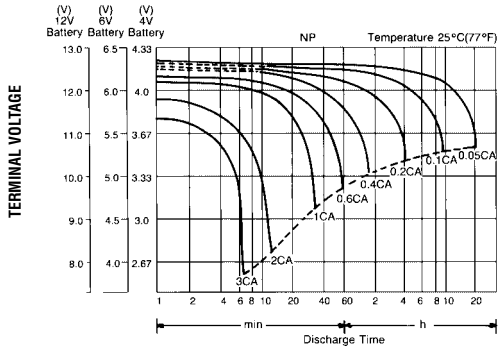
REGULACIÓN Y SISTEMAS DE ENERGÍA

PLAYA SUR No. 20 INT. 2  
COL. MILITAR MARTE  
08830 IZTACALCO MEXICO, D.F.  
TEL. 7090-7088 Y 7090-7089  
ventas@regulacionups.com.mx  
www.regulacionups.com.mx

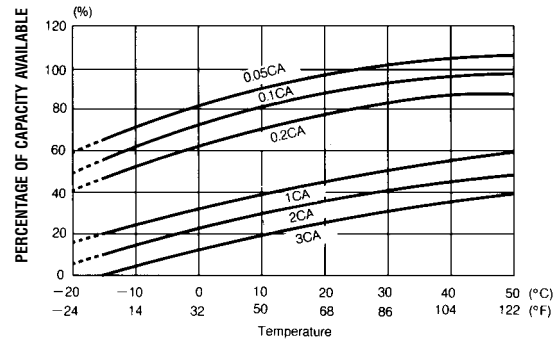
# EnerSys™

Power/Full Solutions™

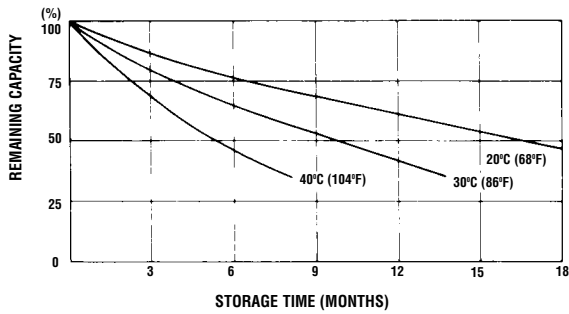
### DISCHARGE CHARACTERISTIC CURVES AT 25°C (77°F)



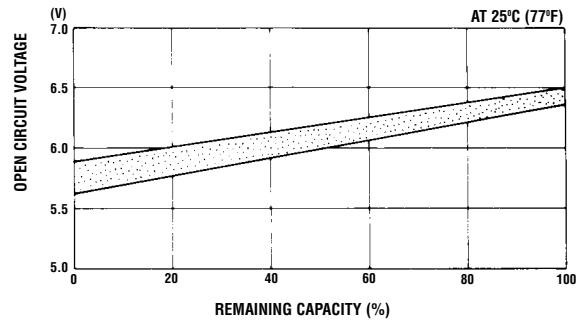
### TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



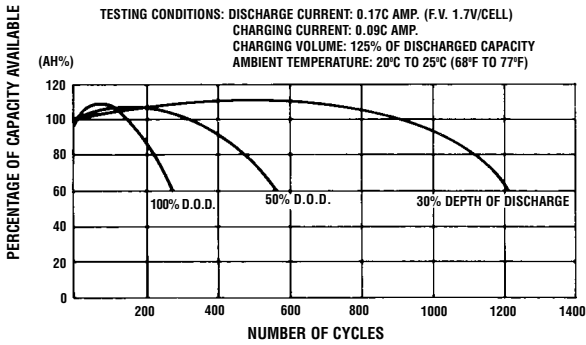
### SELF DISCHARGE CHARACTERISTICS



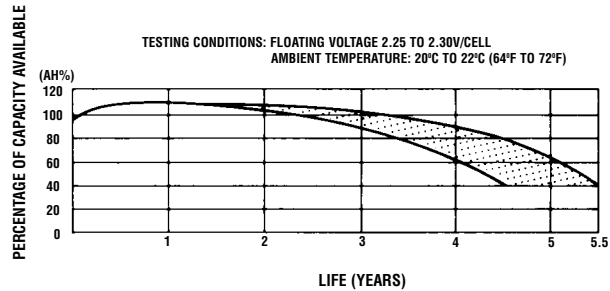
### OPEN CIRCUIT VOLTAGE VS REMAINING CAPACITY



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



### FLOAT SERVICE LIFE



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

#### CHARGING METHODS (At 20°C)

**Cycle use:** Maximum charging current 1.0A  
 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.



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 TEL. 7090-7088 Y 7090-7089  
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 www.regulacionups.com.mx

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