

# ENERGY POWER

MARKETED BY

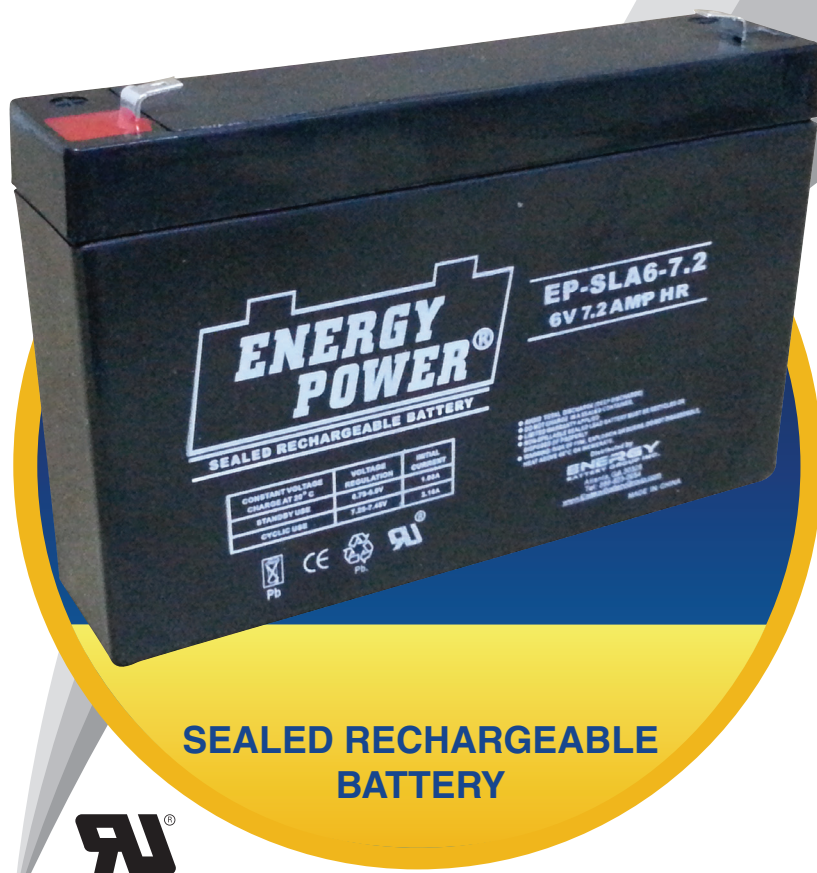


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[www.energybattery.com](http://www.energybattery.com)

## EP-SLA6-7.2

### 6V 7.2 AMP HR



**SEALED RECHARGEABLE  
BATTERY**

#### FEATURES:

- Superior performance with Absorbent Glass Mat (AGM) technology
- Safe operation with valve regulated, spill proof construction
- Unrivalled performance of delivered energy of any battery in its class
- UL Certified under file # MH47790
- Rugged impact resistant ABS case and cover
- Ease of movement with integrated ABS carrying handles
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified

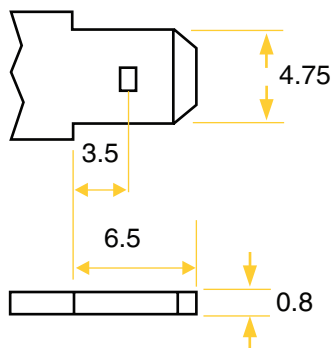
*To ensure safe and efficient operations please refer to [www.energybattery.com](http://www.energybattery.com). All specifications subject to change without notice.*

#### TERMINALS (mm):

**T1**

Copper sheet(curved)

*Tolerance +/- 0.1mm. All data subject to change without notice.*



#### PHYSICAL DIMENSIONS:

|            | inches | mm  |
|------------|--------|-----|
| <b>L:</b>  | 5.94   | 151 |
| <b>W:</b>  | 1.34   | 34  |
| <b>H:</b>  | 3.74   | 95  |
| <b>HT:</b> | 3.98   | 101 |

*Tolerance +/- 2mm. All data subject to change without notice.*

## PERFORMANCE SPECIFICATIONS:

**Nominal Voltage** .....6 Volts(3 cells)

**Nominal Capacity (77° F (25° C))**

20-hr. (0.36 A) ..... 7.2 Ah

10-hr. (0.67 A) ..... 6.70 Ah

5-hr. (1.22 A) ..... 6.12Ah

1-hr. (4.32 A) ..... 4.32 Ah

**Approximate Weight** .....2.65 lbs (1.20 kgs)

**Internal Resistance (approx.)**.....20 milliohms

**Capacity Affected by Temperature (at 20 hour rate)**

40°C..... 102%

25°C..... 100%

0°C ..... 85%

-15°C ..... 65%

**Self-discharge (remaining capacity % at 25°C)**

3 months..... 91%

6 months..... 82%

12 months..... 64%

**Charge Method (constant voltage at 25°C)**

Cycle Use

Initial current less than 2.88A, Control Voltage 7.25 - 7.45 V

Stand by Use

Initial current less than 1.08A, Control Voltage 6.8 - 6.9 V

**Case** .....ABS Plastic

## CHARGING:

**Cycle Applications:** Limit initial current to 2.16A. Charge until battery voltage (under charge) reaches 7.2 to 7.35 volts at 68°F (20°C). Hold at 7.2 to 7.35 volts until current drops to under 72mA. Battery is fully charged under these conditions, and charger should be disconnected or switched to “float” voltage.

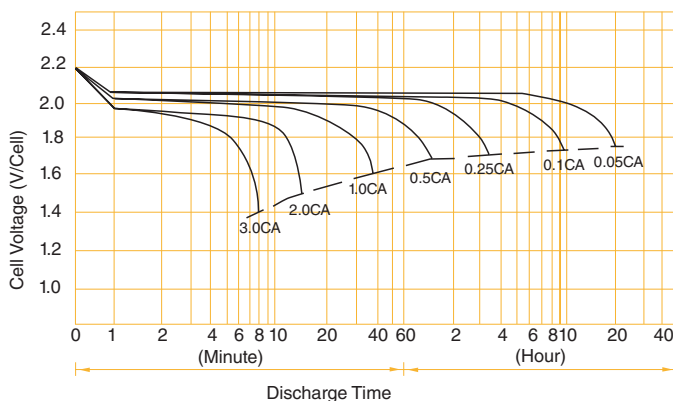
**“Float” or “Stand-By” Service:** Hold battery across constant voltage source of 6.75 to 6.90 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

*Note: Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged within 6 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.*

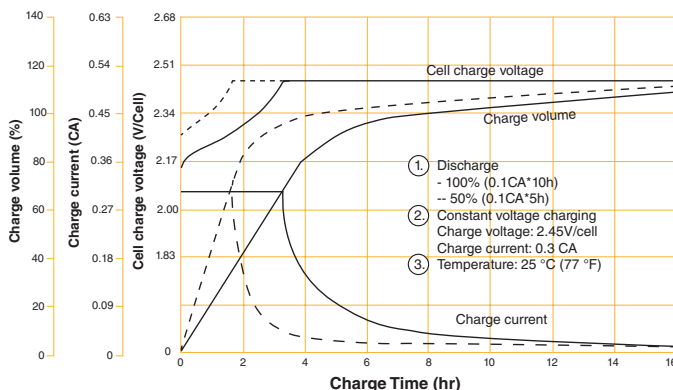
### BATTERY CHARGE CHARACTERISTICS FOR CYCLE USE & STAND-BY USE

| Application              | Charging method                                      | Charge voltage at 25° (V/cell) | Temperature compensation coefficient of charging voltage (mV/°C-cell) | Max. charging current (CA) | Charging time 0.1CA, 25°C(h) |         | Temp (°C)         |
|--------------------------|------------------------------------------------------|--------------------------------|-----------------------------------------------------------------------|----------------------------|------------------------------|---------|-------------------|
|                          |                                                      |                                |                                                                       |                            | 100% DOD                     | 50% DOD |                   |
| For standby power source | Constant voltage charging (with current restriction) | 2.25~2.30                      | -3                                                                    | 0.15                       | 24                           | 20      | 0~40°C (32~104°F) |
| For cycle service        |                                                      | 2.40~2.50                      | -4                                                                    | 0.40                       | 16                           | 10      |                   |

## BATTERY DISCHARGE CHARACTERISTICS



## BATTERY CHARGING CHARACTERISTICS FOR CYCLIC USE



## BATTERY CHARGING CHARACTERISTICS FOR STANDBY USE

