

# ENERGY POWER

MARKETED BY



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

## EP-SLA6-7.5 6V 7.5 AMP

### FEATURES:

- Superior performance with Absorbent Glass Mat (AGM) technology
- Safe operation with valve regulated, spill proof construction
- Power/volume ratio yielding unrivaled energy density
- 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.*

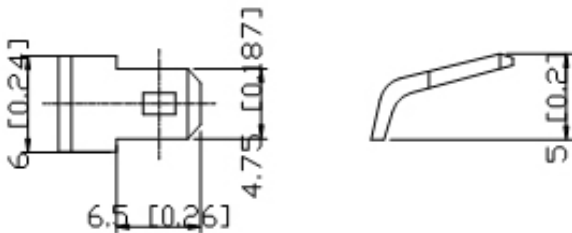


**SEALED RECHARGEABLE BATTERY**

### TERMINALS:

T1

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



### PHYSICAL DIMENSIONS:

	inches	mm
L:	5.94	151
W:	1.36	34.5
H:	3.74	95
HT:	3.96	100.5

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

## PERFORMANCE SPECIFICATIONS:

**Nominal Voltage** ..... 6 volts

**Nominal Capacity** ..... 77° F (25° C)

20 Hour rate F.V.(1.75V/cell) (0.375A to 5.25volts) ..... 7.5 Ah

10 Hour rate F.V.(1.75V/cell) (0.713A to 5.25volts) ..... 7.13 Ah

5 Hour rate F.V.(1.75V/cell) (1.275A to 5.25volts) ..... 6.38 Ah

3 Hour rate F.V.(1.75V/cell) (1.875A to 5.25volts) ..... 5.63 Ah

**Approximate Weight** ..... 2.54 lbs (1.15 kgs)

**Expected Life for Standby Use** (at 20°C) ..... 3-5 years

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

40°C ..... 102%

25°C ..... 100%

0°C ..... 85%

-15°C ..... 65%

**Self-discharge** (at 25°C)

3 months ..... 91%

6 months ..... 82%

12 months ..... 64%

**Charge Method** (constant voltage at 20°C)

**Cycle Use**

Initial current less than 2.25A ..... Control Voltage 7.25 - 7.45 V

**Stand by Use**

Initial current less than 1.125A ..... Control Voltage 6.75 - 6.9 V

## CHARGING:

**Cycle Applications:** Limit initial current to 2.25A. Charge until battery voltage (under charge) reaches 7.25 to 7.45 volts at 68°F (20°C). Hold at 7.2 to 7.75 volts until current drops to under 72mA. Battery is fully charged under these conditions, and charger should be disconnected or switched to “float” voltage.

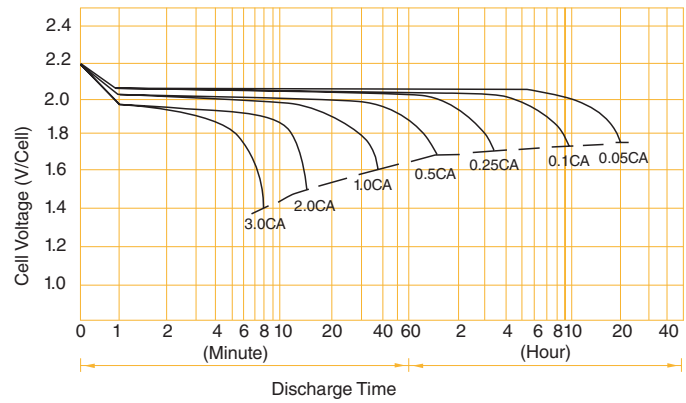
**“Float” or “Stand-By” Service:** Hold battery across constant voltage source of 6.75 to 6.90 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

*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.*

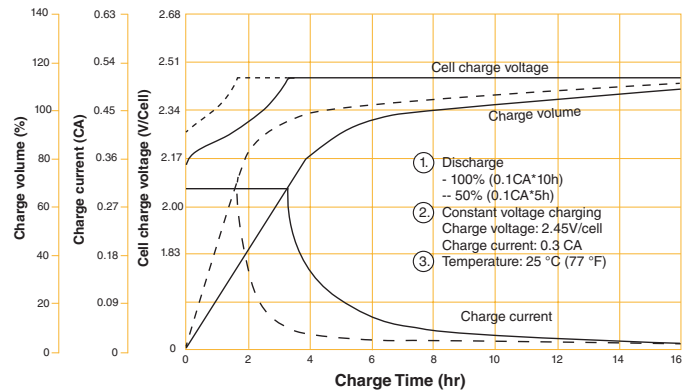
### BATTERY CHARGE CHARACTERISTICS FOR CYCLE USE & STAND-BY USE

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	0.25	24	20	0~40°C (32~104°F)
For cycle service		2.40~2.50	-4	0.25	16	10	

## BATTERY DISCHARGE CHARACTERISTICS



## BATTERY CHARGING CHARACTERISTICS FOR CYCLIC USE



## BATTERY CHARGING CHARACTERISTICS FOR STANDBY USE

