ENERGY POWER

MARKETED BY

ENERGY BATTERY GROUP INC.
1800 Roswell Road, Suite #2200
Marietta, GA 30062
1-888-823-0954
www.energybattery.com

EP-SLA12-35L

12V 35 AMP HR

SEALED RECHARGEABLE BATTERY

FEATURES:

- Superior performance with Absorbent Glass Mat (AGM) technology
- Safe operation with valve regulated, spill proof construction
- Unrivaled 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

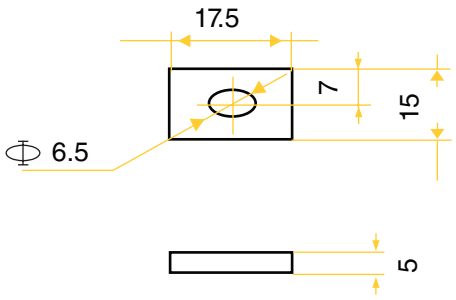
To ensure safe and efficient operations please refer to www.energybattery.com. All specifications subject to change without notice.

TERMINALS (mm):

M6

Bolt-and-nut terminal

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



PHYSICAL DIMENSIONS:

	inches		mm
L:	7.72	|	196
W:	5.12	|	130
H:	6.10	|	155
HT:	7.05	|	179

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

PERFORMANCE SPECIFICATIONS:

Nominal Voltage ..... 12 Volts(6 cells)

Nominal Capacity (77° F (25° C))
20-hr. (1.75 A) ..... 35.0 Ah
10-hr. (3.33 A) ..... 33.25 Ah
5-hr. (5.95 A) 29.75Ah
1-hr. (19.25 A) ..... 19.25 Ah

Approximate Weight ..... 22.49 lbs (10.20 kgs)

Internal Resistance (approx.) ..... 8 milliohms

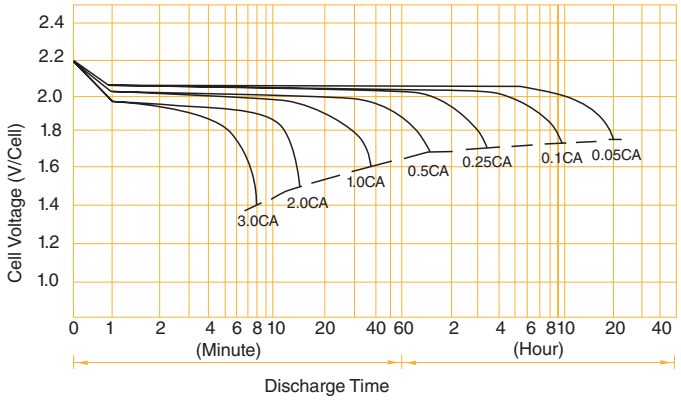
Capacity Affected by Temperature (at 20 hour rate)
40°C 102%
25°C 100%
0°C 85%
-15°C 65%

Self-discharge (remaining capacity % at 25°C)
3 months 91%
6 months 82%
12 months 64%

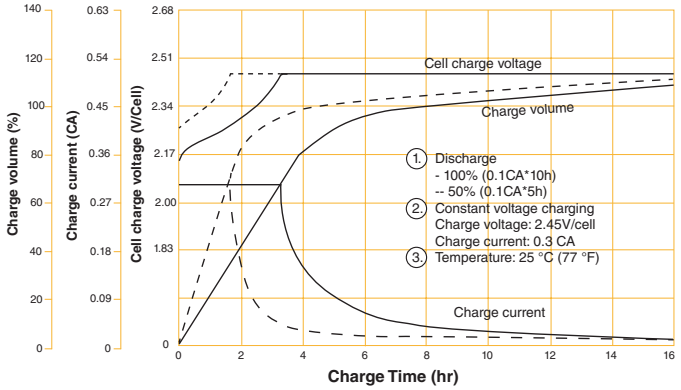
Charge Method (constant voltage at 25°C)
Cycle Use
Initial current less than 14.0A, Control Voltage 14.5 - 14.9 V
Stand by Use
Initial current less than 5.25A, Control Voltage 13.6 - 13.8 V

Case ..... ABS Plastic

BATTERY DISCHARGE CHARACTERISTICS



BATTERY CHARGING CHARACTERISTICS FOR CYCLIC USE



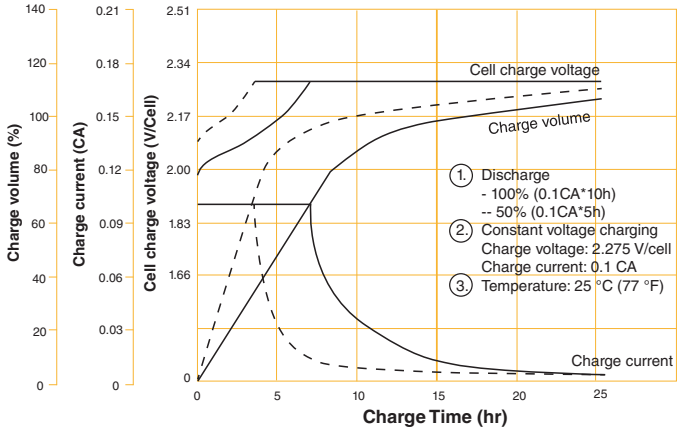
CHARGING:

Cycle Applications: Limit initial current to 10.50A. Charge until battery voltage (under charge) reaches 14.4 to 14.7 volts at 68°F (20°C). Hold at 14.4 to 14.7 volts until current drops to under 350mA. 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 13.5 to 13.8 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 CHARGING CHARACTERISTICS FOR STANDBY USE



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	

MARKETED BY ENERGY BATTERY GROUP INC.
1800 Roswell Road, Suite #2200, Marietta, GA 30062
1-888-823-0954 • www.energybattery.com