TOYO®

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Tel	(305) 468-1978	3FM7.2 6V7.2Ah	Page	Page 1 of 3
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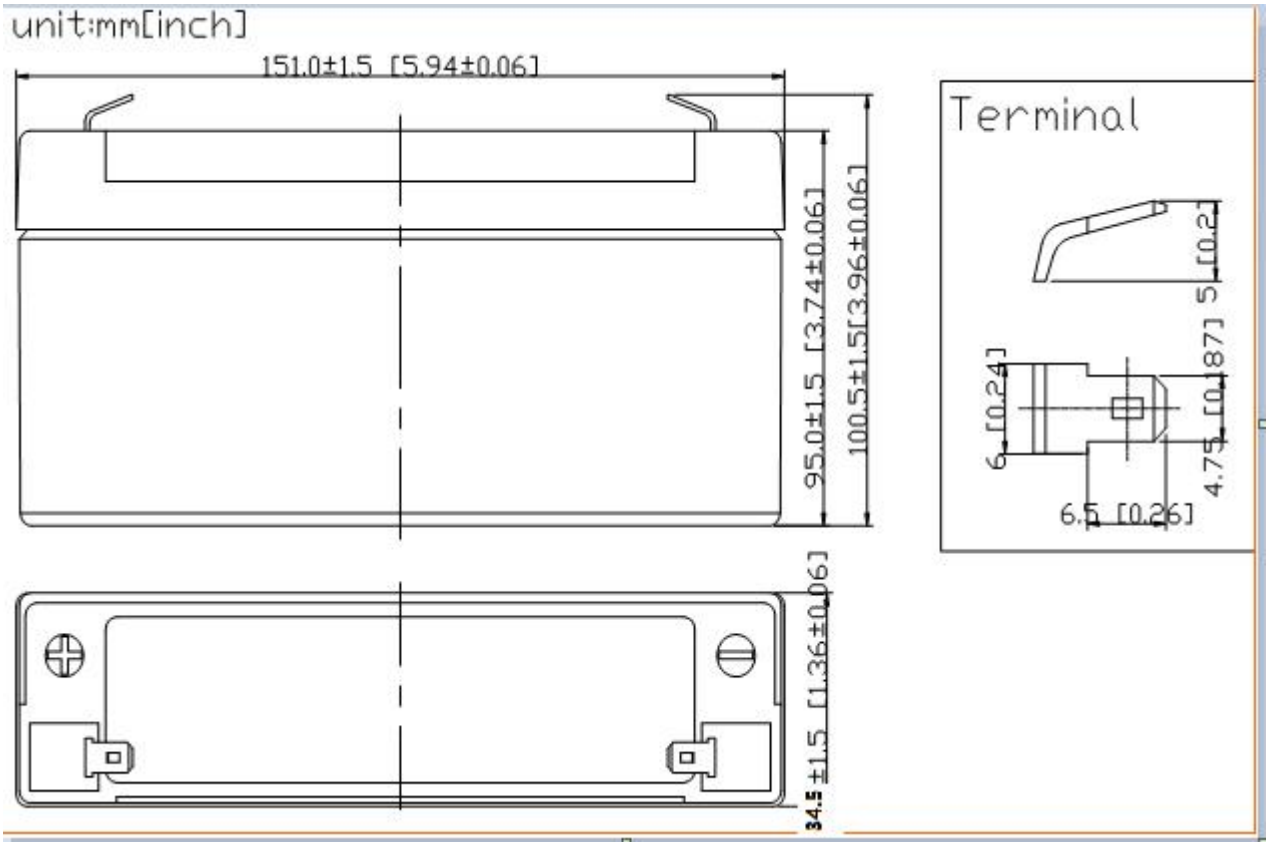
I · Structure

The battery consists mainly of positive plates, negative plates, separators, electrolyte, valves, a container and a cover.

The electrolyte is absorbed in both positive/negative plate and separators.



II. Performance Specifications

Nominal Voltage (V).....6 volts (3 cells in series);

Nominal Capacity (AH)

20 Hour rate F.V.(1.75V/cell) (0.36A to 5.25volts) ..... **7.2 AH;**

10 Hour rate F.V.(1.75V/cell) (0.684A to 5.25volts) ..... **6.84 AH;**

5 Hour rate F.V.(1.75V/cell) (1.224A to 5.25volts) ..... **6.12 AH;**

3 Hour rate F.V.(1.75V/cell) (1.80A to 5.25volts) ..... **5.40 AH;**

1 Hour rate F.V.(1.75V/cell) (4.03A to 5.25volts) ..... **4.03 AH;**

27 Min rate F.V.(1.6V/cell) (7.2A to 4.8volts) **3.24AH;**

7 Min rate F.V.(1.6V/cell) (21.6A to 4.8volts) ..... **2.52 AH;**

Approximate Weight 1.15Kg;

Terminal ..... F1 Tab;

Maximum Discharge Current For 5 sec. (A)..... 108A;

Maximum Charge Current (A).....2.16A;

Ambient Temperature

Charge .....0℃ (32℉) ~ 40℃ (104℉);

Discharge ..... -20℃ (-4℉) ~ 50℃ (122℉);

Storage ..... -20℃ (-4℉) ~ 40℃ (104℉);

Expected Life for Standby Use at 20℃ ..... 3~5 years;

Case .....ABS;

Dimension (mm/inch)

Length (±1.5mm) 151/5.94;

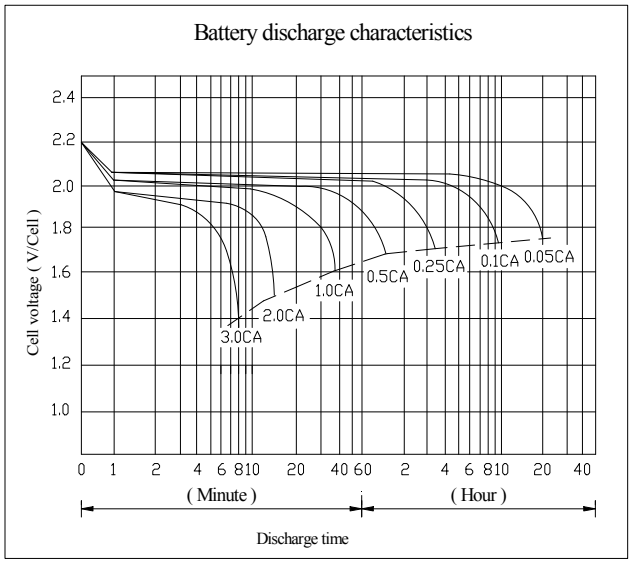
Width (±1.5mm) 34.5/1.36;

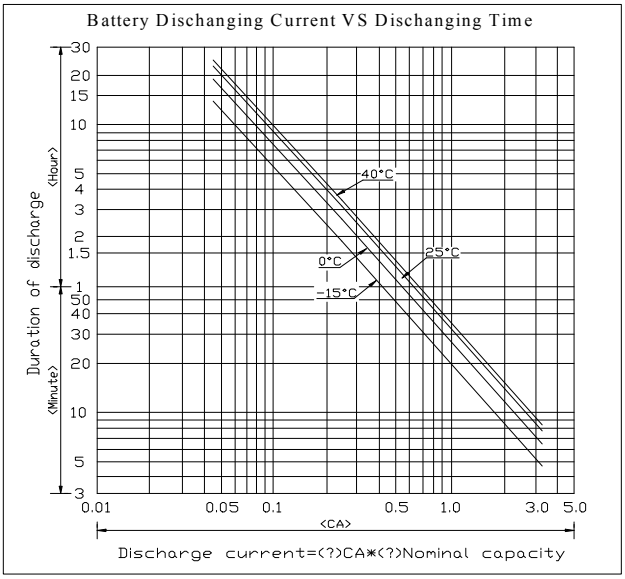
Container Height (±1.5mm) 95/3.74;

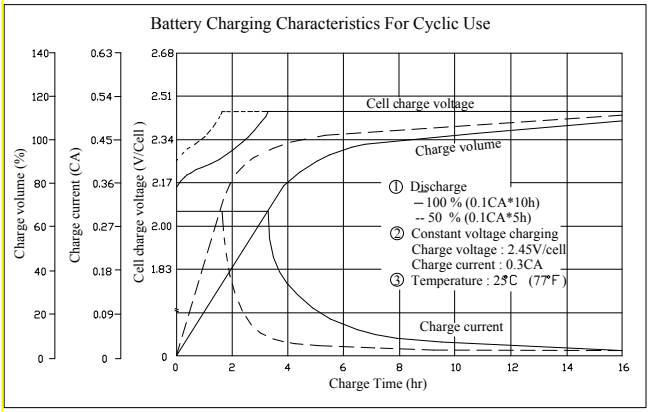
Total Height (±1.5mm)..... 100.5/3.96;

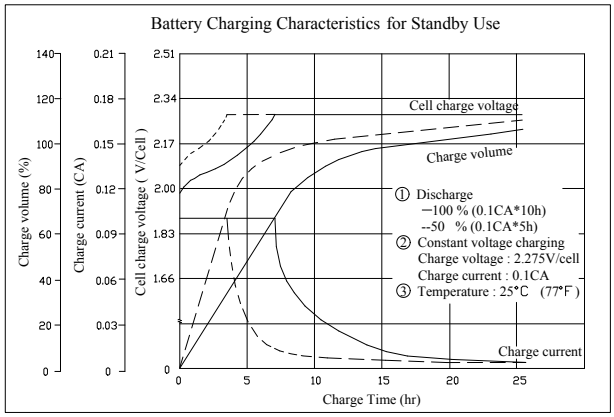
Application.....UPS, Laboratory Equipment, Toy-Cars, Power Packs, Fishing Lights.

Battery Characteristics Graph









Effect of temperature on capacity (20HR)

Temperature	Dependency of Capacity (20HR)
40℃	102%
25℃	100%
0℃	85%
-15℃	65%

Self-discharge Characteristics

Aging Time	Residual Capacity
3 Months	91%
6 Months	82%
12 Months	64%

Note: The data mentioned above just for full charged battery.

III · Charging Procedure

Application	Charging method	Charge voltage at 25℃ (V/cell)	Temperature compensation coefficient of charging voltage (mV/℃·cell)	Max. charging current (CA)	Charging time 0.15CA, 25℃(h)		Temp (℃)
					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℃ (32~104℉)
For cycle service		2.40~2.50	-4	0.25	16	10	

Note:

Temperature compensation of charging voltage is not needed, when using the batteries within 15℃ to 35℃ range.

Manufacturer		Customer	
Drafted by	**Approved by**	**Audited by**	**Approved by**