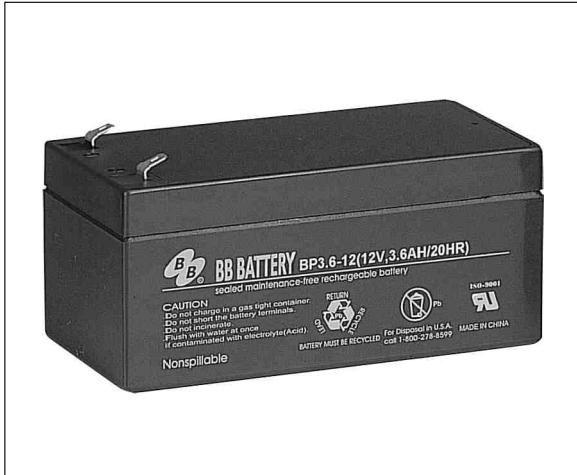




## Maintenance-Free Rechargeable Sealed Lead-Acid Battery



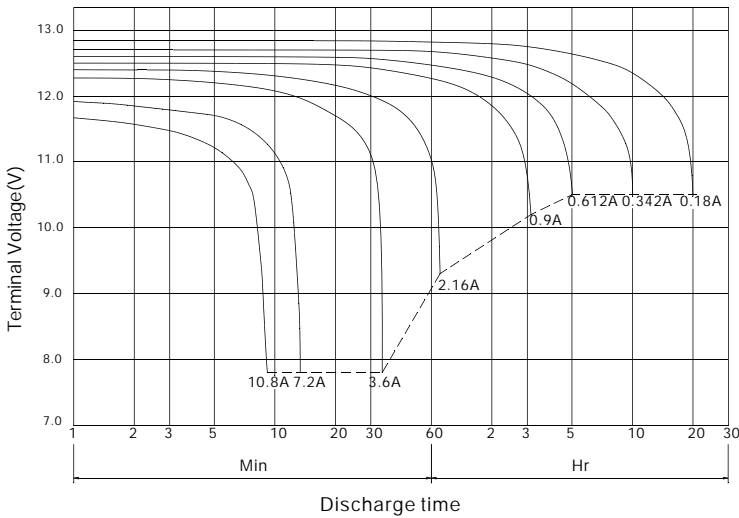
# BP3.6-12

The battery is constructed by plates, separators, safety valves and container. Since the electrolyte is held by a glass-mat separator and plates, the battery can use in any direction and position without leakage.

### PERFORMANCE SPECIFICATIONS

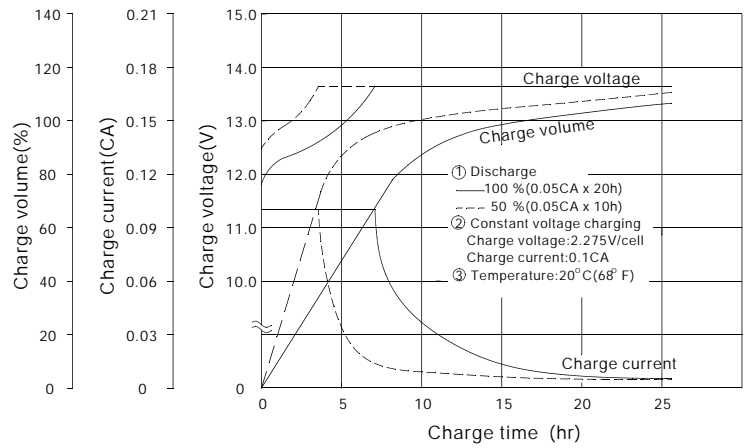
Nominal Voltage(V).....	12 volts(6cells in series)
Nominal Capacity(AH)	
20 hour rate F.V.(1.75V/cell)(180mA to 10.50volts) .....	3.60A.H.
10 hour rate F.V.(1.75V/cell)(342mA to 10.50volts) .....	3.42A.H.
5 hour rate F.V.(1.75V/cell)(612mA to 10.50volts) .....	3.06A.H.
1 hour rate F.V.(1.55V/cell)(2160mA to 9.30volts).....	2.16A.H.
Approximate Weight.....	1350g(2.98lbs.)
Terminal	
Standard.....	T1
Optional.....	T2
Internal Resistance (Fully Charged Battery).....	<50mΩ
Maximum Discharge Current For 5 sec.(A).....	54A
Maximum Charge Current(A).....	1.08A
Ambient Temperature	
Charge.....	0°C(32°F)~40°C(104°F)
Discharge.....	-20°C(-4°F)~50°C(122°F)
Storage.....	-20°C(-4°F)~40°C(104°F)
Vibration test:	
Frequency: 16.7HZ	
Amplitude: 4mm	
Vibrate the battery horizontally or vertically for 60 minutes. The battery have no abnormality.	
Case.....	ABS
Dimension(mm/inch)	
Length           ±1.5mm.....	134/5.28
Width           ±1.5mm.....	67/2.64
Container Height ±1.5mm.....	60/2.36
Total Height   ±2mm.....	66/2.60
Application.....	Electronic Toy-Cars, Emergency Lights, Rechargeable Flashlights, UPS, Fans.

## BP3.6-12 Battery discharge characteristics (25 °C/77 °F)



## BATTERY CHARGING CHARACTERISTICS

(Typical example of the charge characteristics for the standby use)

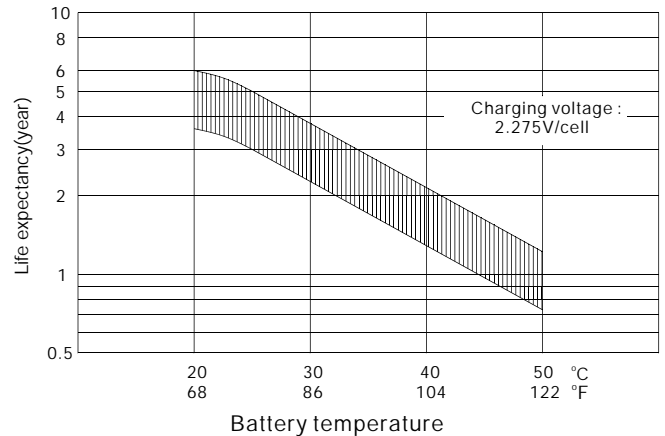


### Charging Procedure

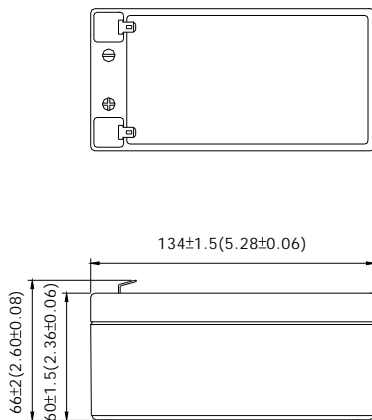
Application	Charging method	Charging Voltage at 20°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/°C/cell)	Max. charging current (CA)	Charging time 0.1CA, 20°C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging	2.25-2.30	-3	0.3	24	20	0-40 (32-104°F)
For cycle service	(with current restriction)	2.40-2.50	-4	0.3	16	10	

\*Temperature compensation of charging voltage is not needed, when using the batteries within 5°C to 35°C range.

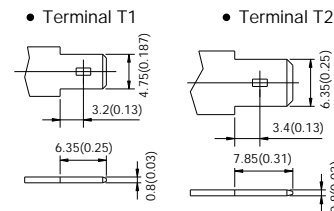
### Effect of Temperature on Long Term Float Life



### OUTER DIMENSIONS



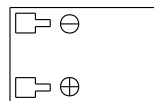
### TERMINAL TYPE mm(inch)



### Constant power discharge characteristics at 25°C/77°F

Final Voltage	Discharge time									
	5Min	10Min	15Min	30Min	1Hr	3Hr	5Hr	10Hr	20Hr	
10.80V	130.2	95.8	76.8	45.7	26.20	10.49	7.24	4.04	2.11	
10.50V	150.6	103.8	80.3	47.4	26.98	10.70	7.34	4.10	2.16	
10.20V	160.0	107.5	82.8	48.5	27.47	10.80	7.39	4.12	2.17	
9.90V	167.2	110.1	84.7	49.2	27.80	10.88	7.41	4.13	2.18	
9.60V	172.8	112.3	86.4	49.7	28.08	11.19	7.43	4.13	2.18	

### TERMINAL POSITION



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