



Maintenance-Free Rechargeable Sealed Lead-Acid Battery



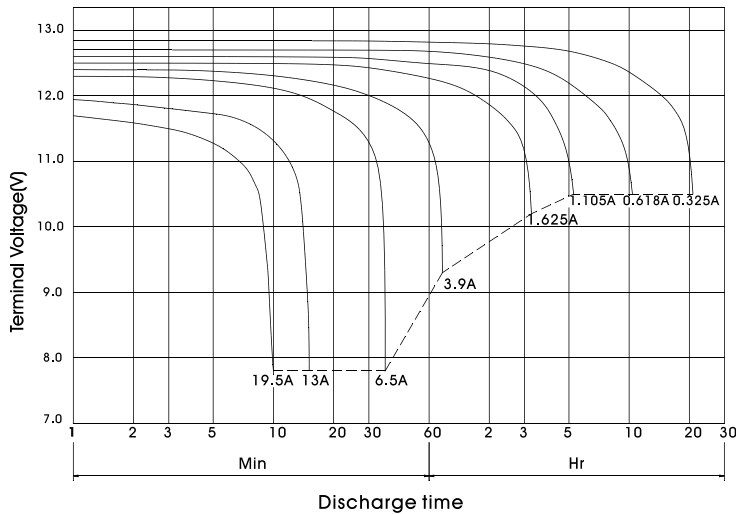
BP6.5-12RT

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) (325mA to 10.50volts).....	6.5A.H.
10 hour rate F.V.(1.75V/cell) (618mA to 10.50volts).....	6.18A.H.
5 hour rate F.V.(1.75V/cell) (1105mA to 10.50volts).....	5.53A.H.
1 hour rate F.V.(1.55V/cell) (3900mA to 9.30volts).....	3.90A.H.
Approximate Weight	2400g(5.29lbs.)
Terminal	
Standard.....	Type ⊕T2, ⊖T1.
Internal Resistance (Fully Charged Battery)	<22m Ω
Maximum Discharge Current For 5 sec.(A)	97.5A
Maximum Charge Current(A)	1.95A
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.....	140/5.51
Width ± 1.5mm.....	48/1.89
Container Height ± 1.5mm.....	126/4.96
Total Height ± 1.5mm.....	128/5.04
Application	UPS.

BP6.5-12RT Battery discharge characteristics (25°C/77°F)



Charging Procedure

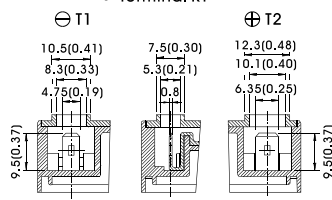
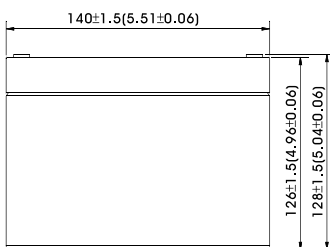
Application	Charging method	Charging Voltage at 20°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/°C/cell)	Max. charging current (CA)	Charging time 0.1CA, 20°C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power source	Constant voltage & Constant current charging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

TERMINAL TYPE mm(inch)

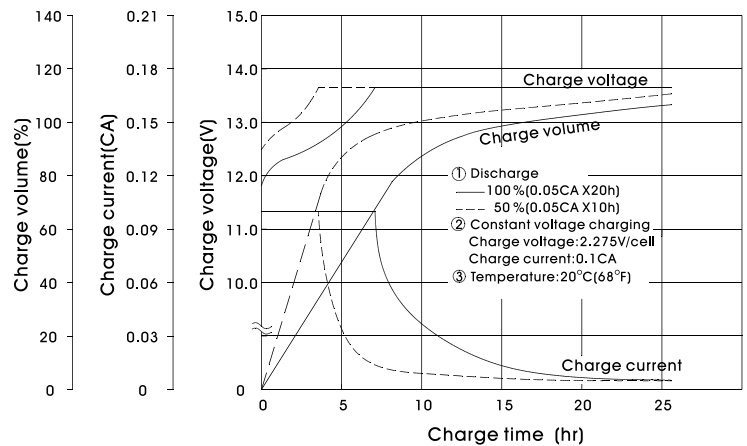
• Terminal RT

OUTER DIMENSIONS

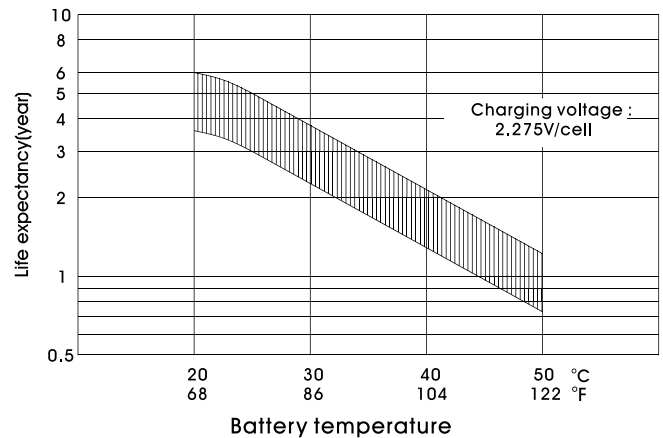


BATTERY CHARGING CHARACTERISTICS

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



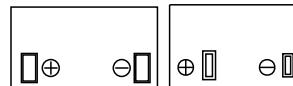
Effect of Temperature on Long Term Float Life



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

Final Voltage	Discharge time								
	5Min	10Min	15Min	30Min	1Hr	3Hr	5Hr	10Hr	20Hr
	Battery output power(W)								
10.80V	235.0	173.0	138.6	82.5	47.31	18.95	13.06	7.30	3.82
10.50V	272.0	187.4	145.0	85.6	48.73	19.33	13.26	7.41	3.90
10.20V	289.0	194.2	149.5	87.6	49.60	19.50	13.33	7.45	3.92
9.90V	302.0	198.8	152.9	88.8	50.20	19.64	13.38	7.47	3.93
9.60V	312.0	202.8	156.0	89.7	50.70	19.75	13.42	7.47	3.93

TERMINAL POSITION



B.B. BATTERY CO., LTD. Web Site: <http://www.bb-battery.com>

USA :

B&B BATTERY (USA) INC.
6415 RANDOLPH ST. COMMERCE,
CA, 90040 U.S.A.
TEL: 1-323-278-1900 1-800-278-8599
FAX: 1-323-278-1268

CHINA FACTORY:

CHENG DONG TRIAL AREA, HUANG GANG,
RAOPING GUANG DONG, CHINA, 515700
TEL: 86-768-7601001-2
FAX: 86-768-7601469

UK:

B & B BATTERY (UK) CO., LTD.
TEL: 44-161-343-7430
FAX: 44-161-343-7030

HONG KONG OFFICE:

NATIONAL TRADING LTD.
TEL: 852-2301-3800
FAX: 852-2739-1182

JAPAN:

B & B BATTERY(JAPAN) CO., LTD.
TEL: 81-426-256-537
FAX: 81-426-256-537

TAIWAN OFFICE:

B & B BATTERY CO., LTD.
TEL: 886-6-2607335
FAX: 886-6-2602402



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