

Maintenance-Free Rechargeable Sealed Lead-Acid Battery



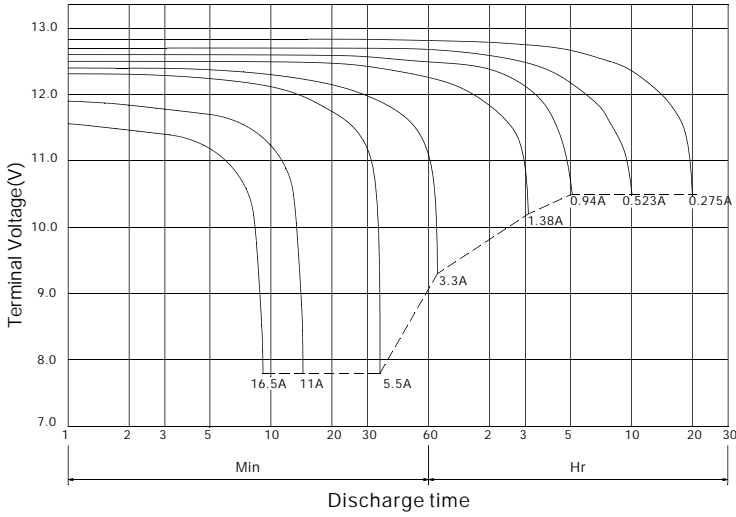
BP5.5-12RT

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

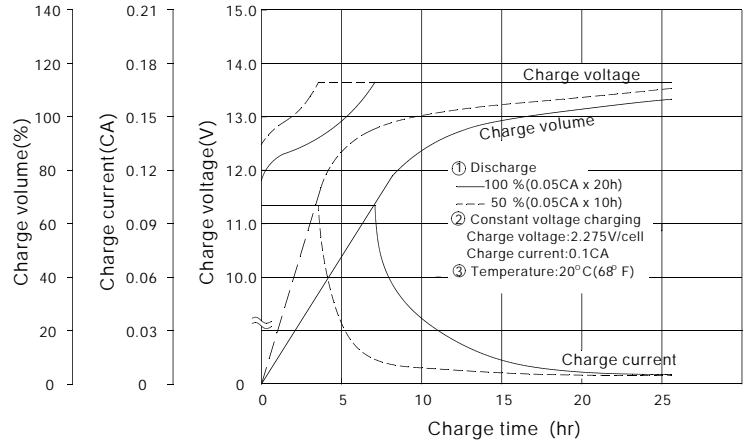
| | |
|---|----------------------------|
| Nominal Voltage(V)..... | 12 volts(6cells in series) |
| Nominal Capacity(AH) | |
| 20 hour rate F.V.(1.75V/cell) (275mA to 10.50volts) | 5.5A.H. |
| 10 hour rate F.V.(1.75V/cell) (523mA to 10.50volts) | 5.23A.H. |
| 5 hour rate F.V.(1.75V/cell) (935mA to 10.50volts) | 4.68A.H. |
| 1 hour rate F.V.(1.55V/cell) (3300mA to 9.30volts) | 3.3A.H. |
| Approximate Weight..... | 1850g(4.08lbs.) |
| Terminal | |
| Standard..... | Type ⊕T2, ⊖T1. |
| Internal Resistance (Fully Charged Battery)..... | <27m Ω |
| Maximum Discharge Current For 5 sec.(A)..... | 82.5A |
| Maximum Charge Current(A)..... | 1.65 A |
| 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..... | 102/4.02 |
| Total Height ±1.5mm..... | 104/4.09 |
| Application..... | UPS. |

BP5.5-12RT Battery discharge characteristics (25°C/77°F)



BATTERY CHARGING CHARACTERISTICS

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

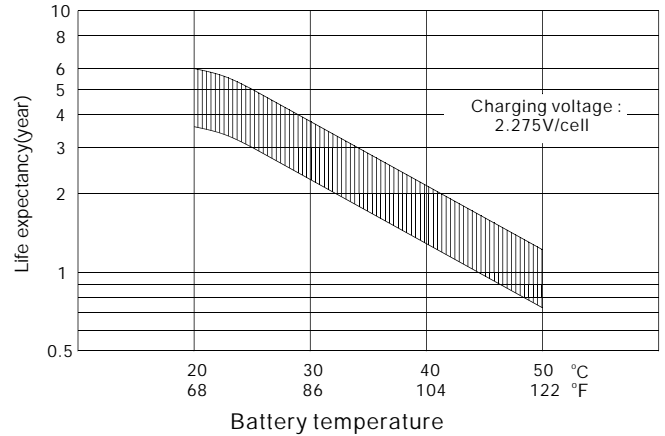


Charging Procedure

| 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 (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.

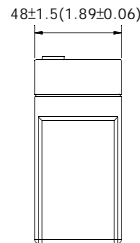
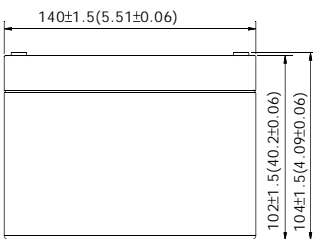
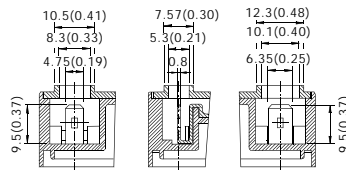
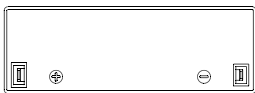
Effect of Temperature on Long Term Float Life



TERMINAL TYPE mm(inch)

• Terminal RT

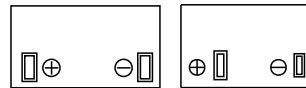
OUTER DIMENSIONS



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

| Final Voltage | Discharge time | | | | | | | | |
|---------------|----------------|-------|-------|-------|-------|-------|-------|------|------|
| | 5Min | 10Min | 15Min | 30Min | 1Hr | 3Hr | 5Hr | 10Hr | 20Hr |
| 10.80V | 198.9 | 146.4 | 117.3 | 69.8 | 40.03 | 16.03 | 11.05 | 6.18 | 3.23 |
| 10.50V | 230.2 | 158.6 | 122.7 | 72.4 | 41.23 | 16.35 | 11.22 | 6.27 | 3.30 |
| 10.20V | 244.5 | 164.3 | 126.5 | 74.1 | 41.97 | 16.50 | 11.28 | 6.30 | 3.32 |
| 9.90V | 255.5 | 168.2 | 129.4 | 75.1 | 42.48 | 16.61 | 11.32 | 6.32 | 3.32 |
| 9.60V | 264.0 | 171.6 | 132.0 | 75.9 | 42.90 | 16.71 | 11.35 | 6.32 | 3.32 |

TERMINAL POSITION



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

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FAX: 1-323-278-1268

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FAX: 852-2739-1182

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