



# VRLA Rechargeable Battery

## BPL110-12



### FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Low self-discharge rate
- Can be used in any orientation(excluding used inverted)
- Filtered with explosion proof filter
- Flame-arrestor is installed to ensure safety
- Absorbent Glass Mat technology for efficient gas recombination

### APPLICATIONS

- UPS
- Telecom
- Telecom



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	110.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	40.0Kg(88.2lbs.)
Terminals	B4 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	$\leq 4m\Omega$ (Fully Charged )
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	33 A
Operating Temperature Range	Charge: 0°C~40°C(32°F~104°F) Discharge: -20°C~50°C(-4°F~122°F) Storage: -20°C~40°C(-4°F~104°F)
Container Material	Standard: ABS( UL94 HB) BPL110-12 Optional: Flame Retardant ABS(UL94 V-0) BPL110-12FR

MH19884

C4M20310-2474-E-16

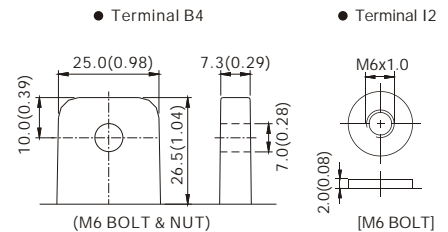
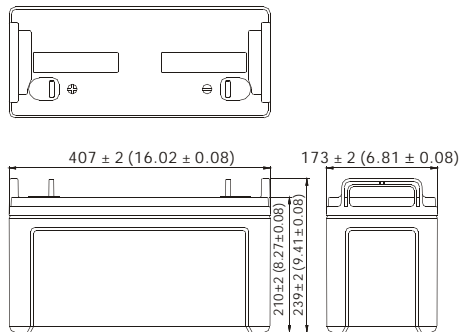
- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.2

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

- **Length**  
407±2.0 (16.02±0.08)
- **Width**  
173±2.0 (6.81±0.08)
- **Container Height**  
210±2.0 (8.27±0.08)
- **Total Height**  
239±2.0 (9.41±0.08)



Terminal Hardware Initial Torque: B4/I2(5.5Nm±5%)

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

Discharge Time F.V. (V/cell)	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	2181	1313	759.8	319.8	221.7	123.5	64.6
1.75V	2283	1362	783.5	326.6	225.1	125.4	66.0
1.70V	2352	1393	797.1	330.0	225.9	126.1	66.3
1.65V	2406	1413	807.2	331.7	226.8	126.4	66.5
1.60V	2456	1427	815.7	333.4	226.8	126.4	66.5

### Constant current discharge characteristics at 25 °C/77 °F Unit: A

Discharge Time F.V. (V/cell)	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	190	111	63.9	26.7	18.5	10.29	5.39
1.75V	199	115	65.8	27.2	18.8	10.45	5.50
1.70V	205	118	67.0	27.5	18.8	10.51	5.53
1.65V	209	120	67.8	27.6	18.9	10.53	5.54
1.60V	214	121	68.5	27.8	18.9	10.53	5.54

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained hereinto.

For operation, please refer to the instruction from technical manual.

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Powered by B.B. Tech(Changsha) Co., Ltd.