



## VRLA Rechargeable Battery

# BPL85-12



### FEATURES

- Maintenance free(no water topping-up required).
- No free acid(Non-spillable battery).
- Low self-discharge rate, lower than 3% capacity loss per month.
- Can be used in any orientation(excluding used inverted).
- Filtered with explosion proof filter.
- Flame-arrestor is installed to ensure safety.
- Carry handles for easy installation.
- Absorbent Glass Mat technology for efficient gas recombination.

### APPLICATION

- UPS
- Telecom
- Golf-carts



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	85.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	31.2Kg(68.8lbs.)
Terminals	B3 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≤5.0mΩ (Fully Charged )
Max. Discharge Current	800 A (5 sec.)
Max. Charge Current	25.5 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( UL 94-HB) BPL85-12 Optional: Flame Retardant ABS(UL 94-V0) BPL85-12FR



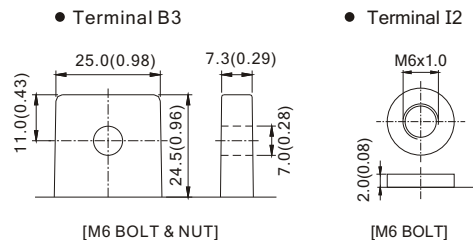
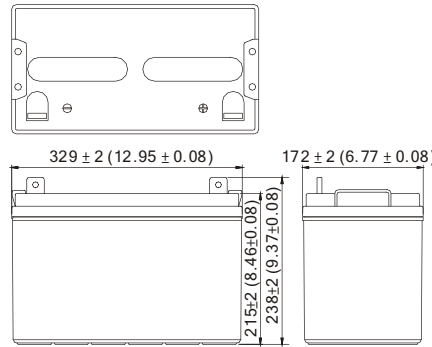
- IEC 60896-21/22
- JIS C 8704-2
- GB/T 19638.2

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

- **Length**  
329±2.0 (12.95±0.08)
- **Width**  
172±2.0 (6.77±0.08)
- **Container Height**  
215±2.0 (8.46±0.08)
- **Total Height**  
B3:238±2.0 (9.37±0.08)  
I2:218.5±2.0 (8.60±0.08)



Terminal Hardware Initial Torque: B3/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	1586	1074	585.8	246.6	170.9	95.24	49.84
1.75V	1683	1115	604.0	251.8	173.5	96.67	51.00
1.70V	1761	1139	614.5	254.4	174.2	97.19	51.14
1.65V	1802	1156	622.3	255.7	174.8	97.45	51.27
1.60V	1839	1167	628.8	257.0	174.8	97.45	51.27

### 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	143	95.1	49.2	20.5	14.2	7.94	4.15
1.75V	153	98.6	50.8	21.0	14.5	8.06	4.25
1.70V	160	100.8	51.6	21.2	14.5	8.10	4.26
1.65V	164	102.3	52.3	21.3	14.6	8.12	4.27
1.60V	167	103.3	52.8	21.4	14.6	8.12	4.27

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