



## VRLA Rechargeable Battery

# BPL20-12 (BPL20-12FR)



### 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).
- Absorbent Glass Mat technology for efficient gas recombination.

### APPLICATION

- UPS
- Fishing Lights
- Emergency Lights
- Lawn Mowers
- Video Camcorders(VCR)



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	20.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	6.4Kg(14.11lbs.)
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	≤11m Ω (Fully Charged)
Max. Discharge Current	300 A (5 sec.)
Max. Charge Current	6.0 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	ABS(UL94-HB, UL94-V0 is optional)

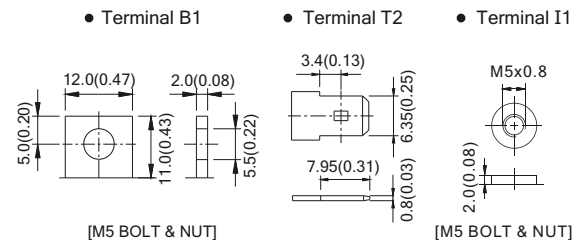
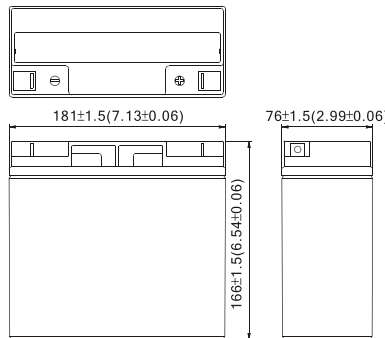
ISO 9001	
ISO14001	
UL	 MH19884
CE	 C4M20310-2474-E-16
<ul style="list-style-type: none"> <li>● IEC 61056-1</li> <li>● JIS C 8702-1</li> <li>● GB/T 19639.1</li> </ul>	

### DIMENSION(mm/inch)

### OUTER DIMENSIONS

### TERMINAL TYPE

- **Length**  
181±1.5 (7.13±0.06)
- **Width**  
76±1.5 (2.99±0.06)
- **Container Height**  
166±1.5 (6.54±0.06)
- **Total Height**  
166±1.5 (6.54±0.06)



Terminal Hardware Initial Torque: B1 (2.5Nm±5%), I1 (4.0Nm±5%)

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

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	651.8	489.7	396.6	238.6	138.3	58.24	40.24	22.46	11.74
1.75V	754.2	530.6	415.2	247.8	142.2	59.41	40.80	22.80	12.00
1.70V	800.0	549.7	427.8	253.2	144.8	60.00	41.17	22.92	12.06
1.65V	837.7	562.7	437.8	256.8	146.8	60.59	41.41	22.98	12.08
1.60V	862.3	574.0	446.2	259.4	148.3	60.83	41.41	22.98	12.08

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

Discharge Time F.V. (V/cell)	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	58.7	43.1	34.5	20.2	11.6	4.85	3.35	1.87	0.98
1.75V	69.2	46.7	36.1	21.0	12.0	4.95	3.40	1.90	1.00
1.70V	73.4	48.4	37.2	21.5	12.2	5.00	3.43	1.91	1.01
1.65V	76.9	49.5	38.1	21.8	12.3	5.05	3.45	1.92	1.01
1.60V	79.1	50.5	38.8	22.0	12.5	5.07	3.45	1.92	1.01

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