



# VRLA Rechargeable Battery

## BP12-6



### 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
- Electronic Toy-Cars
- Emergency Lights
- Fans
- Rechargeable Flashlights



### SPECIFICATIONS

Nominal Voltage	6 V
Nominal Capacity	12.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	1980g(4.37lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤9mΩ (Fully Charged )
Max. Discharge Current	180 A (5 sec.)
Max. Charge Current	3.6 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) BP12-6 Optional: Flame Retardant ABS(UL 94-V0) BP12-6FR

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1
- VdS G103023

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<p>■ <b>Length</b> 151±1.5 (5.94±0.06)</p> <p>■ <b>Width</b> 50±1.5 (1.97±0.06)</p> <p>■ <b>Container Height</b> 94±1.5 (3.70±0.06)</p> <p>■ <b>Total Height</b> 100±2.0 (3.94±0.08)</p>		<p>● Terminal T1</p> <p>● Terminal T2</p>

### 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	216.9	159.7	128.0	76.1	43.7	17.5	12.06	6.74	3.55
1.75V	251.1	173.0	133.9	79.0	45.0	17.8	12.24	6.84	3.60
1.70V	266.8	179.2	138.0	80.8	45.8	18.0	12.31	6.87	3.62
1.65V	278.8	183.5	141.2	82.0	46.3	18.1	12.35	6.89	3.63
1.60V	288.0	187.2	144.0	82.8	46.8	18.2	12.39	6.89	3.63

### 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	39.1	28.1	22.3	12.9	7.34	2.91	2.010	1.123	0.591
1.75V	46.1	30.5	23.3	13.4	7.56	2.97	2.040	1.140	0.600
1.70V	48.9	31.6	24.0	13.7	7.70	3.00	2.051	1.146	0.603
1.65V	51.1	32.3	24.6	13.9	7.79	3.02	2.058	1.149	0.605
1.60V	52.8	33.0	25.0	14.0	7.87	3.04	2.064	1.149	0.605

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