



VRLA Rechargeable Battery

BPS12-12



FEATURES

- Maintenance Free (topping up not needed)
- Non-spillable (no free electrolyte)
- Low Self Discharge, less than 3% per month
- both Vertical & Horizontal installations

APPLICATIONS

- UPS
- Security Systems
- Medical Equipment
- Power Packs
- Emergency Lighting
- R/C Cars & Planes
- Laboratory Equipment



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	12.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	3940g(8.69lbs.)
Terminals	T2 (Faston Tab 250) T1 is optional
Internal Resistance	≤18mΩ (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) BPS12-12 Optional: Flame Retardant ABS(UL 94-V0) BPS12-12FR

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1
- VdS G102106

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<p>■ Length 151±1.5 (5.94±0.06)</p> <p>■ Width 98±1.5 (3.86±0.06)</p> <p>■ Container Height 94±1.5 (3.70±0.06)</p> <p>■ Total Height 98±2.0 (3.86±0.08)</p>		<p>● Terminal T1</p> <p>● Terminal T2</p>

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

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	433.9	319.4	256.0	152.3	87.3	35.0	24.1	13.48	7.09
1.75V	502.2	346.0	267.7	158.1	90.0	35.7	24.5	13.68	7.20
1.70V	533.6	358.5	276.0	161.7	91.6	36.0	24.6	13.75	7.24
1.65V	557.5	367.1	282.4	164.0	92.7	36.3	24.7	13.79	7.26
1.60V	576.0	374.4	288.0	165.6	93.6	36.5	24.8	13.79	7.26

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

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	39.09	28.12	22.26	12.91	7.34	2.91	2.01	1.123	0.591
1.75V	46.07	30.46	23.28	13.40	7.56	2.97	2.04	1.140	0.600
1.70V	48.95	31.55	24.00	13.70	7.70	3.00	2.05	1.146	0.603
1.65V	51.15	32.31	24.55	13.89	7.79	3.02	2.06	1.149	0.605
1.60V	52.84	32.96	25.04	14.03	7.87	3.04	2.06	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 herein.