

VRLA Rechargeable Battery

BPS10-4



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
- Laboratory Equipment
- Power Packs
- Emergency Lighting
- R/C Cars & Planes



SPECIFICATIONS

Nominal Voltage	4 V
Nominal Capacity	10.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	1310g(2.89lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤8mΩ (Fully Charged)
Max. Discharge Current	150 A (5 sec.)
Max. Charge Current	3.0 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	Standard: BPS10-4 ABS(UL 94-HB) Optional: BPS10-4FR ABS(UL 94-V0)



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

DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

Length

101±1.5 (3.98±0.06)

Width

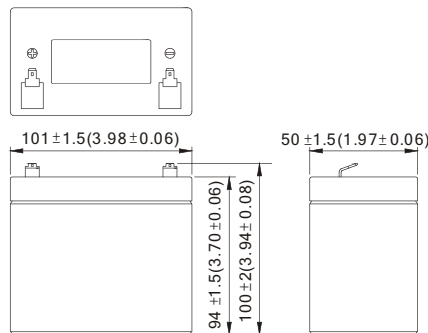
50±1.5 (1.97±0.06)

Container Height

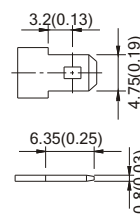
94±1.5 (3.70±0.06)

Total Height

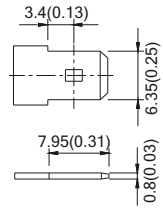
100±2.0 (3.94±0.08)



Terminal T1



Terminal T2



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	120.5	88.7	71.1	42.3	24.26	9.72	6.70	3.74	1.97
1.75V	139.5	96.1	74.4	43.9	24.99	9.91	6.80	3.80	2.00
1.70V	148.2	99.6	76.7	44.9	25.44	10.00	6.84	3.82	2.01
1.65V	154.9	102.0	78.4	45.5	25.74	10.07	6.86	3.83	2.02
1.60V	160.0	104.0	80.0	46.0	26.00	10.13	6.88	3.83	2.02

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	32.57	23.43	18.55	10.75	6.12	2.43	1.675	0.936	0.493
1.75V	38.39	25.38	19.40	11.16	6.30	2.48	1.700	0.950	0.500
1.70V	40.79	26.30	20.00	11.42	6.41	2.50	1.709	0.955	0.503
1.65V	42.62	26.93	20.46	11.58	6.49	2.52	1.715	0.958	0.504
1.60V	44.04	27.46	20.87	11.69	6.55	2.53	1.720	0.958	0.504

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