



VRLA Rechargeable Battery

BPS12-6



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	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	$\leq 9m\Omega$ (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) BPS12-6 Optional: Flame Retardant ABS(UL 94-V0) BPS12-6FR



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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
Length 151±1.5 (5.94±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	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 herein.

For operation, please refer to the instruction from technical manual.

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