



VRLA Rechargeable Battery

BPS7-6 (BPS7-6FR)

FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- Absorbent Glass Mat technology for efficient gas recombination

APPLICATION

- UPS
- Emergency Lights
- Fans
- Electronic Torch
- Electronic Toy-Cars



SPECIFICATIONS

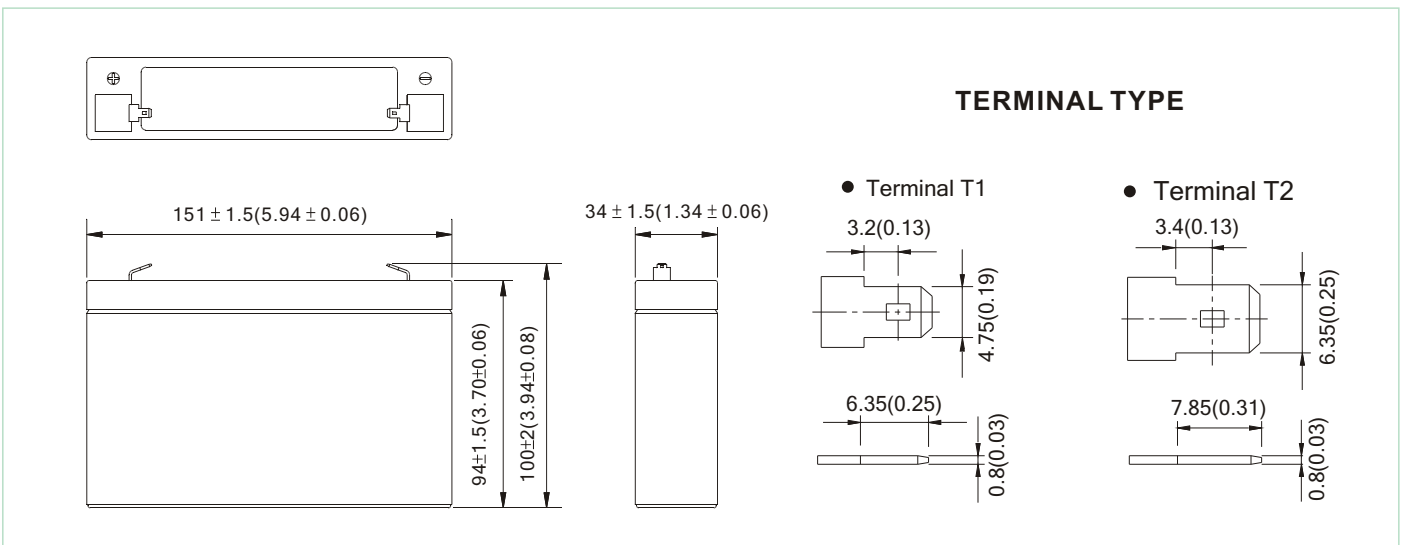
Nominal Voltage	6V	
Nominal Capacity	20 Hour Rate (350mA, 5.25V)	7.00 Ah
	10 Hour Rate (665mA, 5.25V)	6.65 Ah
	5 Hour Rate (1190mA, 5.25V)	5.95 Ah
	1 Hour Rate (4200mA, 4.65V)	4.20 Ah
Approx. Weight	1260g(2.78lbs.)	
Terminals	T1 (Faston Tab 187) T2 is optional	
Max. Discharge Current	105 A (5 sec.)	
Max. Charge Current	2.1 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)
Self Discharge	< 3% per month (25°C)	
Internal Resistance	≤ 16mΩ (Fully Charged)	

CONTAINER MATERIAL

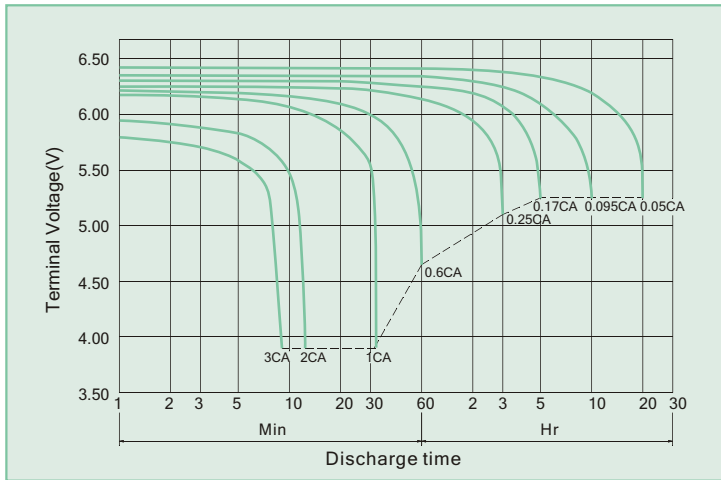
- BPS7-6:
ABS: UL 94-HB (Dark gray color)
- BPS7-6FR:
ABS: UL 94-V0 (Light gray color)

 ISO 9001	 ISO 14001
 UL	 CE
<ul style="list-style-type: none"> ● IEC61056 ● GB/T 19639 	<ul style="list-style-type: none"> ● JIS C 8702

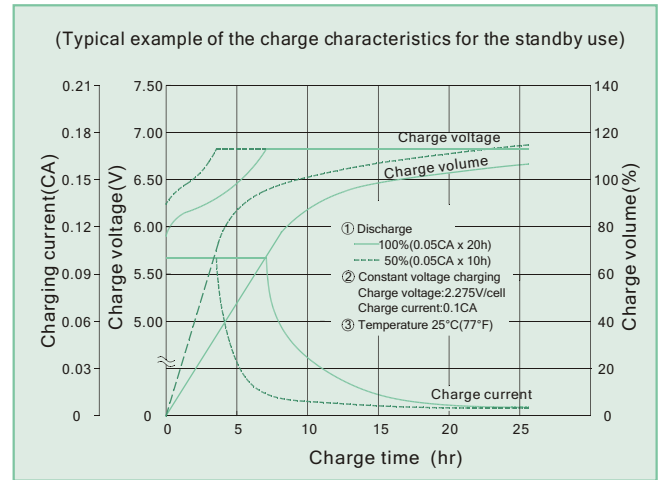
OUTER DIMENSIONS mm(Inch)	Length (L)	Width (W)	Container Height (H)	Total Height (TH)
	151±1.5(5.94±0.06)	34±1.5(1.34±0.06)	94±1.5(3.70±0.06)	100±2.0(3.94±0.08)



BPS7-6 (BPS7-6FR) discharge characteristics (25°C /77°F)



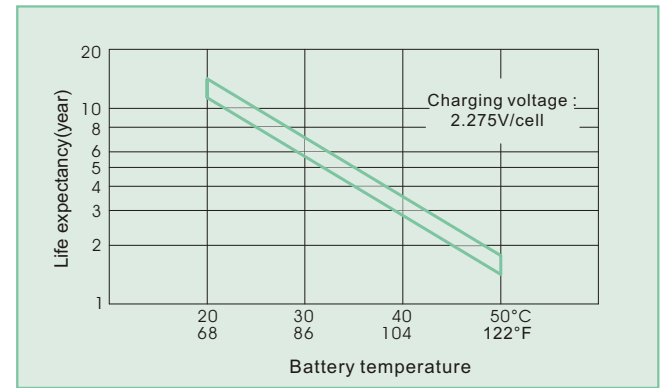
Battery Charging Characteristics



Charging Procedure

Application	Charging method	Charging Voltage at 25°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/°C /cell)	Max. charging current (CA)	Charging time 0.1CA, 25°C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging (with current restriction)	2.25~2.30	-3	0.3	24	20	0~40 (32~104°F)
For cycle service		2.40~2.50	-4	0.3	16	10	

Effect Of Temperature On Long Term Float Life



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	126.5	93.2	74.7	44.4	25.5	10.20	7.03	3.931	2.069
1.75V	146.5	100.9	78.1	46.1	26.2	10.41	7.14	3.990	2.100
1.70V	155.6	104.5	80.5	47.2	26.7	10.50	7.18	4.010	2.112
1.65V	162.6	107.1	82.4	47.8	27.0	10.57	7.20	4.022	2.118
1.60V	168.0	109.2	84.0	48.3	27.3	10.64	7.23	4.022	2.118

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	22.80	16.40	12.98	7.53	4.28	1.70	1.172	0.655	0.345
1.75V	26.87	17.77	13.58	7.81	4.41	1.73	1.190	0.665	0.350
1.70V	28.55	18.41	14.00	7.99	4.49	1.75	1.196	0.668	0.352
1.65V	29.84	18.85	14.32	8.11	4.54	1.76	1.201	0.670	0.353
1.60V	30.83	19.23	14.61	8.19	4.59	1.77	1.204	0.670	0.353

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

A/0 REV. Aug. 2009

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