



## VRLA Rechargeable Battery

# BPS7.5-12 (BPS7.5-12FR)

### 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
- Laboratory Equipment
- Toy-Cars
- Fishing Lights
- Power Packs



### SPECIFICATIONS

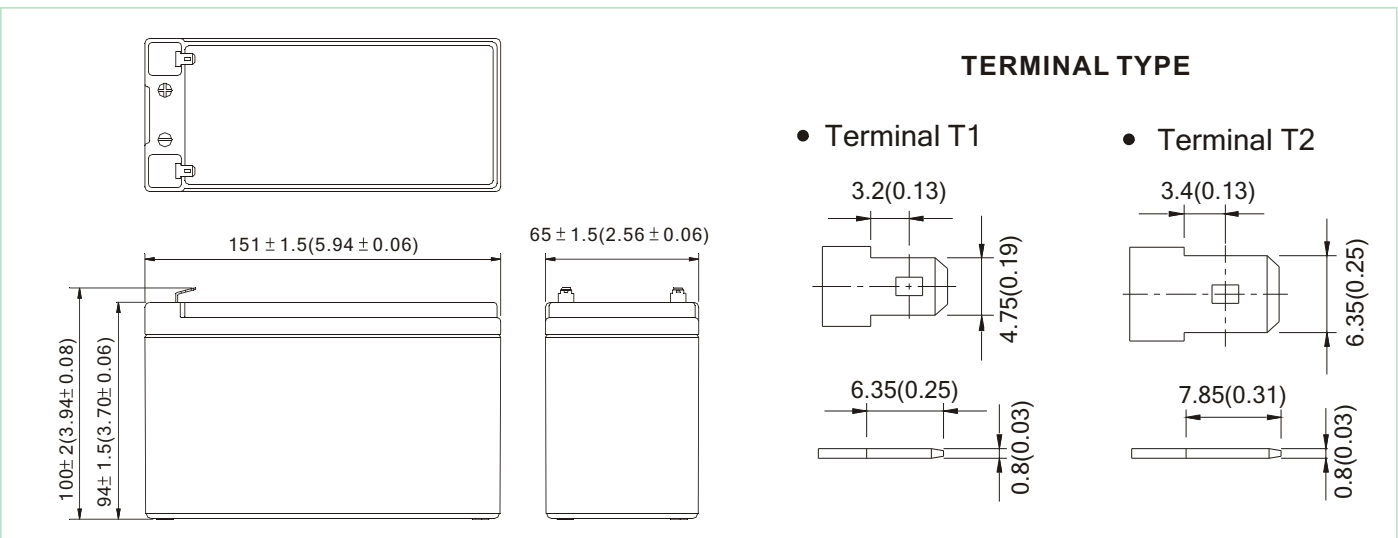
Nominal Voltage	12V	
Nominal Capacity	20 Hour Rate (375mA, 10.5V)	7.50 Ah
	10 Hour Rate (713mA, 10.5V)	7.13 Ah
	5 Hour Rate (1275mA, 10.5V)	6.38 Ah
	1 Hour Rate (4500mA, 9.3V)	4.50 Ah
Approx. Weight	2650g(5.84lbs.)	
Terminals	T2 (Faston Tab 250) T1 is optional	
Max. Discharge Current	112.5 A (5 sec.)	
Max. Charge Current	2.25 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	≤25mΩ (Fully Charged )	

### CONTAINER MATERIAL

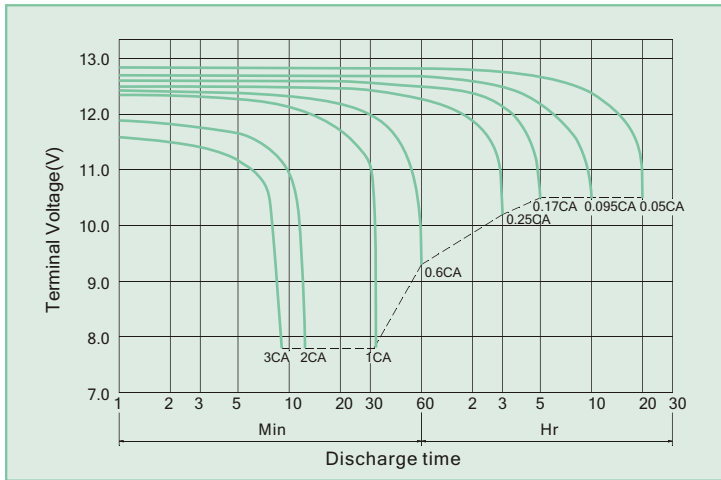
- BPS7.5-12:  
ABS: UL 94-HB (Dark gray color)
- BPS7.5-12FR:  
ABS: UL 94-V0 (Light gray color)

 ISO 9001	 ISO14001
 MH19884 UL	 C4M20310-2474-E-16 CE
<ul style="list-style-type: none"> <li>● IEC61056</li> <li>● GB/T 19639</li> </ul>	<ul style="list-style-type: none"> <li>● JIS C 8702</li> </ul>

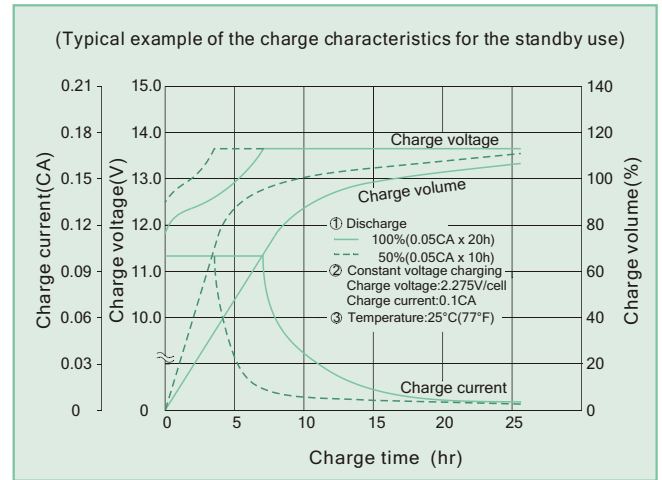
OUTER DIMENSIONS mm(inch)	Length (L)	Width (W)	Container Height (H)	Total Height (TH)
	151±1.5(5.94±0.06)	65±1.5(2.56±0.06)	94±1.5(3.70±0.06)	100±2.0(3.94±0.08)



**BPS7.5-12 (BPS7.5-12FR) discharge characteristics (25°C /77°F)**



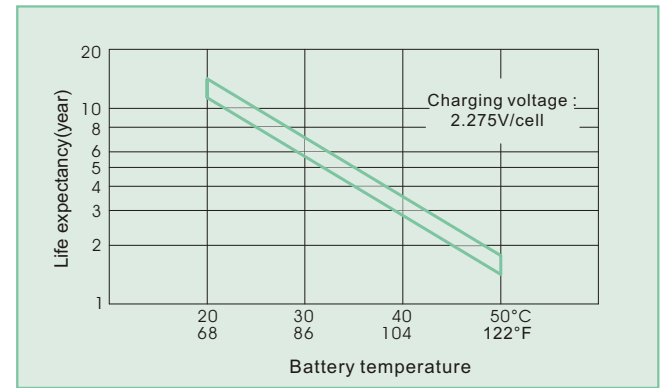
**Battery Charging Characteristics**



**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	271	200	160	95.2	36.39	21.9	15.07	8.42	4.43
1.75V	314	216	167	98.8	37.48	22.3	15.30	8.55	4.50
1.70V	333	224	173	101.1	38.16	22.5	15.38	8.59	4.52
1.65V	348	229	176	102.5	38.61	22.7	15.44	8.62	4.54
1.60V	360	234	180	103.5	39.00	22.8	15.48	8.62	4.54

**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	24.4	17.6	13.9	8.07	4.59	1.82	1.256	0.702	0.369
1.75V	28.8	19.0	14.5	8.37	4.72	1.86	1.275	0.712	0.375
1.70V	30.6	19.7	15.0	8.56	4.81	1.87	1.282	0.716	0.377
1.65V	32.0	20.2	15.3	8.68	4.87	1.89	1.286	0.718	0.378
1.60V	33.0	20.6	15.7	8.77	4.92	1.90	1.290	0.718	0.378

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

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