



VRLA Rechargeable Battery

BPS9-12 (BPS9-12FR)



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
- Long life expectancy 10 years in float application

APPLICATION

- UPS
- Laboratory
- Equipment

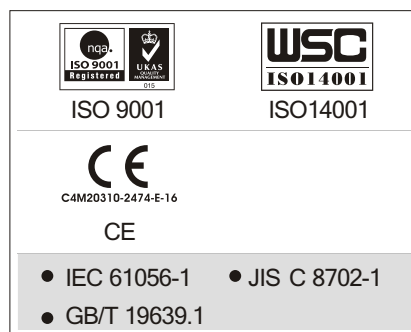


SPECIFICATIONS

Nominal Voltage	12V		
Nominal Capacity	10 Hour Rate (0.90A, 10.8V)	9.0 Ah	
	5 Hour Rate (1.61A, 10.5V)	8.05 Ah	
	30 Min Rate (10.4A, 9.6V)	5.20 Ah	
Approx. Weight	2500g(5.51lbs.)		
Terminals	T2 (Faston Tab 250) T1 is optional		
Max. Discharge Current	135 A (5 sec.)		
Max. Charge Current	2.70 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	≤22mΩ (Fully Charged)		

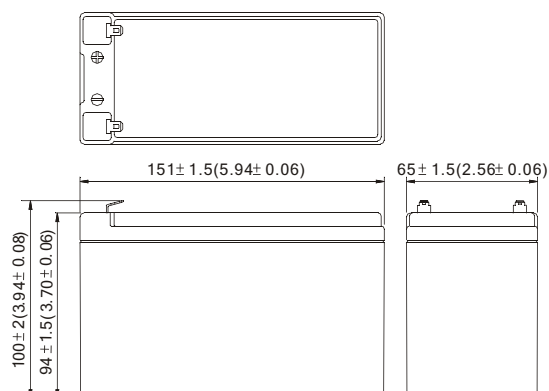
CONTAINER MATERIAL

- BPS9-12:
ABS: UL 94-HB (Dark gray color)
- BPS9-12FR:
ABS: UL 94-V0 (Light gray color)

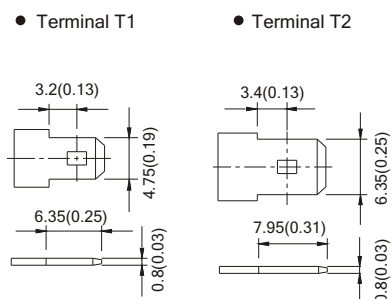


OUTER DIMENSIONS mm(inch)

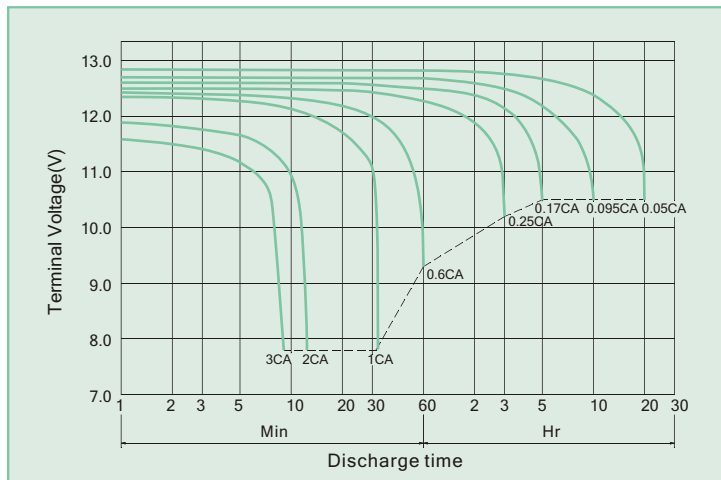
Length (L)	Width (W)	Container Height (H)	Total Height (TH)
151±1.5(5.94±0.06)	65±1.5(2.56±0.06)	94±1.5(3.70±0.06)	100±2.0(3.94±0.08)



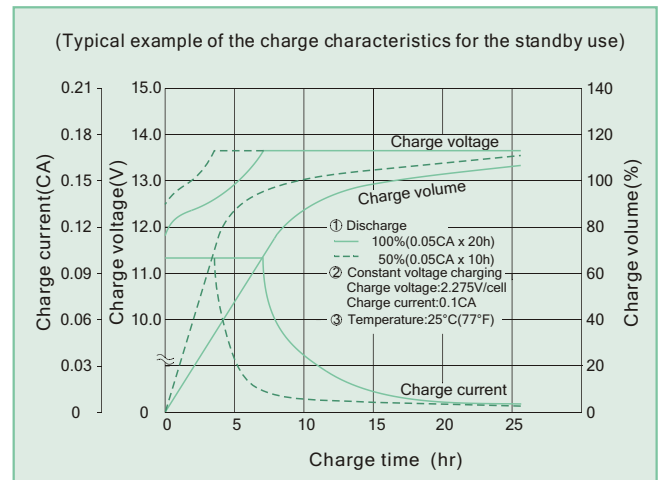
TERMINAL TYPE



BPS9-12 (BPS9-12FR) discharge characteristics (25°C /77°F)



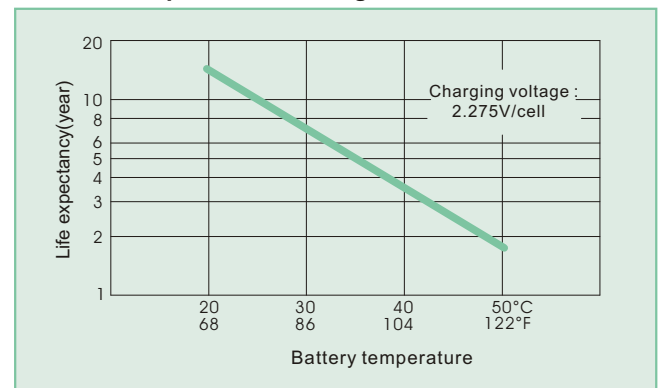
Battery Charging Characteristics



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	308.5	231.9	187.8	112.99	65.50	27.61	19.08	10.80	5.56
1.75V	357.2	251.3	196.6	117.32	67.39	28.15	19.35	10.85	5.68
1.70V	378.9	260.4	202.6	119.89	68.61	28.42	19.49	10.88	5.71
1.65V	396.5	266.6	207.3	121.65	69.56	28.69	19.62	10.88	5.72
1.60V	408.7	271.9	211.4	122.87	70.23	28.82	19.62	10.88	5.72

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	27.80	20.42	16.33	9.58	5.50	2.30	1.59	0.90	0.46
1.75V	32.78	22.12	17.10	9.94	5.66	2.35	1.61	0.90	0.47
1.70V	34.76	22.92	17.62	10.16	5.77	2.37	1.62	0.91	0.48
1.65V	36.38	23.47	18.03	10.31	5.85	2.39	1.64	0.91	0.48
1.60V	37.49	23.93	18.38	10.41	5.90	2.40	1.64	0.91	0.48

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

Trial A/1 REV. Oct. 2011

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