

VRLA Rechargeable Battery

BPS17-12 S (BPS17-12FR S)

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
- Fishing Lights
- Emergency Lights
- Lawn Mowers
- Video Camcorders(VCR)

SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity	10 Hour Rate (1700mA, 10.8V)	17.0 Ah
	5 Hour Rate (3030mA, 10.8V)	15.1 Ah
	30 Min Rate (2080mA,9.6V)	10.4 Ah
Approx. Weight	6150g(13.56lbs.)	
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional	
Max. Discharge Current	255 A (5 sec.)	
Max. Charge Current	5.1 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)	

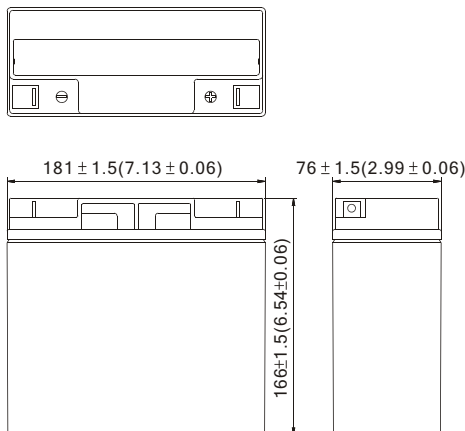


CONTAINER MATERIAL

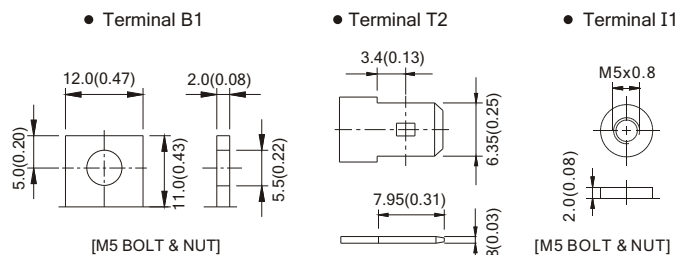
- BPS17-12 S:
ABS: UL 94-HB (Dark gray color)
- BPS17-12FR S:
ABS: UL 94-V0 (Light gray color)

 ISO 9001	 ISO 14001
 UL	 CE
● IEC 61056-1	● JIS C 8702-1
● GB/T 19639.1	● VdS G100078

OUTER DIMENSIONS mm(inch)	Length (L)	Width (W)	Container Height (H)	Total Height (TH)
	181±1.5(7.13±0.06)	76±1.5(2.99±0.06)	166±1.5(6.54±0.06)	166±1.5(6.54±0.06)

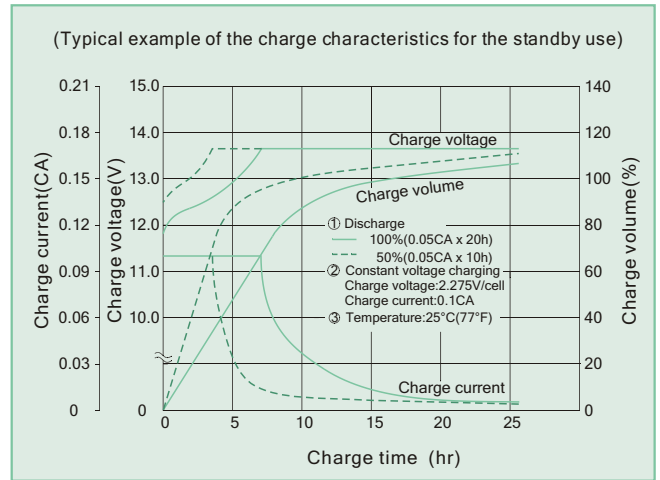
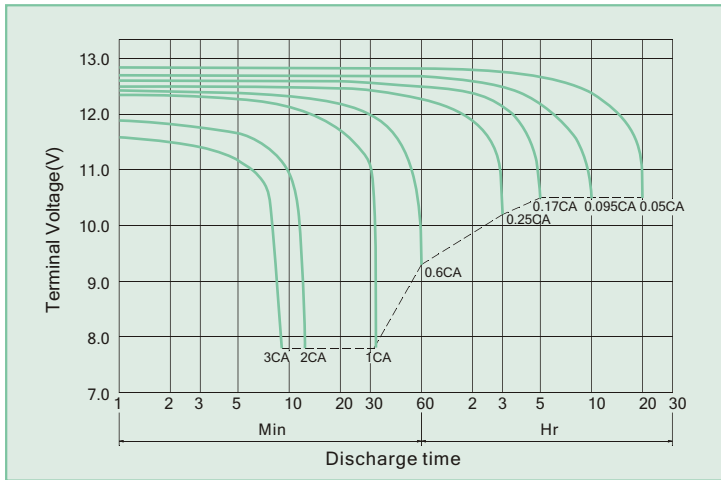


TERMINAL TYPE



Terminal Hardware Initial Torque:
B1(2.5Nm±5%),I1(4.0Nm±5%)

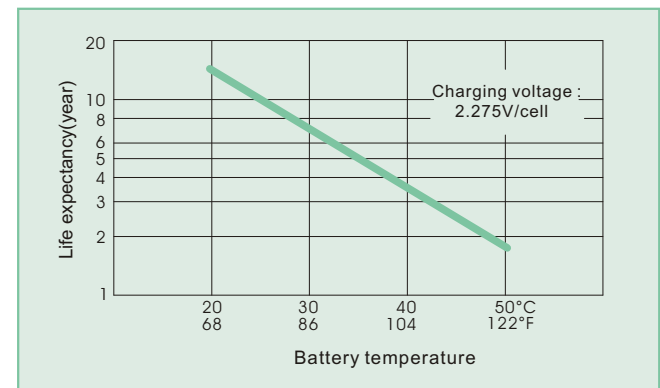
BPS17-12 s (BPS17-12FR s) discharge characteristics (25°C /77°F) Battery Charging Characteristics



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	644	474	380	226	129.5	51.9	35.8	20.22	10.64
1.75V	745	513	397	234	133.4	52.9	36.3	20.52	10.80
1.70V	791	532	409	240	135.8	53.4	36.5	20.62	10.85
1.65V	827	544	419	243	137.5	53.8	36.6	20.65	10.87
1.60V	854	555	427	246	138.8	54.1	36.7	20.68	10.89

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	58.0	41.7	33.0	19.1	10.89	4.32	2.98	1.700	0.887
1.75V	68.3	45.2	34.5	19.9	11.21	4.41	3.03	1.710	0.900
1.70V	72.6	46.8	35.6	20.3	11.41	4.45	3.04	1.719	0.904
1.65V	75.9	47.9	36.4	20.6	11.55	4.48	3.05	1.722	0.906
1.60V	78.4	48.9	37.1	20.8	11.67	4.51	3.06	1.724	0.907

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

Trial A/0 REV. Oct. 2011

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