



VRLA Rechargeable Battery

SHR10-12



FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed for high rate usage
- Absorbent Glass Mat technology for efficient gas recombination
- The power density at 2 min~15min discharging rate is 50% higher than BP series

APPLICATION

- UPS
- Fishing Lights
- Power Packs
- Laboratory Equipment
- Fishing Lights Booster
- Toy-Cars



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	15 Min Rate (40W, 1.60V/Cell)
Approx. Weight	2700g(5.95lbs.)
Terminals	T2 (Faston Tab 250) , T1 and B0 are optional
Internal Resistance	≤12mΩ (Fully Charged)
Max. Discharge Current	130 A (5 sec.)
Max. Charge Current	2.7 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) SHR10-12 Optional: Flame Retardant ABS(UL 94-V0) SHR10-12FR

USF ISO9001	UL MH19884
USF ISO14001	CE CAM20310-2474-E-16
USF OHSMS	
<ul style="list-style-type: none"> ● IEC 61056-1 ● JIS C 8702-1 ● GB/T 19639.1 	

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> ■ Length 151±1.5 (5.94±0.06) ■ Width 65±1.5 (2.56±0.06) ■ Container Height 94±1.5 (3.70±0.06) ■ Total Height 100±2.0 (3.94±0.08) 		<ul style="list-style-type: none"> ● Terminal T1 3.2(0.13) x 4.75(0.19) x 6.35(0.25) x 0.8(0.03) ● Terminal T2 3.4(0.13) x 6.35(0.25) x 7.95(0.31) x 0.8(0.03) ● Terminal B0 10(0.39) x 1.4(0.06) x 12(0.47) x 4.8(0.19) x 12(0.47) x 0.8(0.03) x 5.5(0.22) <p>[M5 BOLT & NUT]</p>

Constant power discharge characteristics at 25 °C/77 °F Unit: W

F.V. (V/cell)	Discharge Time	2 Min	3 Min	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V		760	609	451	294	239	186	136.6	99.6	86.8	77.9	42.0
1.75V		815	655	483	312	245	190	139.6	102.5	89.0	79.0	42.7
1.70V		857	686	503	318	248	194	141.0	103.7	89.8	79.5	42.9
1.67V		876	707	521	326	251	196	142.3	104.7	90.5	79.7	43.5
1.60V		892	725	540	332	252	197	143.5	106.0	91.1	80.0	43.5
1.50V		902	732	545	333	253	198	143.8	106.3	91.3	80.1	43.6

Constant current discharge characteristics at 25 °C/77 °F Unit: A

F.V. (V/cell)	Discharge Time	2 Min	3 Min	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V		70.0	55.8	40.4	25.7	20.7	15.88	11.58	8.46	7.29	6.54	3.50
1.75V		75.2	60.3	43.8	27.4	21.1	16.34	11.90	8.70	7.50	6.65	3.56
1.70V		79.3	63.4	45.4	28.0	21.4	16.59	12.01	8.93	7.56	6.68	3.57
1.67V		81.1	65.2	47.2	28.7	21.7	16.77	12.14	8.81	7.63	6.71	3.61
1.60V		82.8	67.0	49.0	29.3	21.9	16.95	12.25	9.04	7.70	6.74	3.64
1.50V		83.8	67.7	49.4	29.5	22.0	16.99	12.28	9.06	7.72	6.75	3.64

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

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

A/0 REV. Apr. 2014

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