



# VRLA Rechargeable Battery

## SHR7.5-12



### 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 (30W, 1.60V/Cell)
Approx. Weight	2050g(4.52lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤18mΩ (Fully Charged )
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)
Container Material	Standard: ABS( UL 94-HB) SHR7.5-12 Optional: Flame Retardant ABS(UL 94-V0) SHR7.5-12FR

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<b>Length</b> 151±1.5 (5.94±0.06) <b>Width</b> 51±1.5 (2.01±0.06) <b>Container Height</b> 94±1.5 (3.70±0.06) <b>Total Height</b> 100±2.0 (3.94±0.08)		

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

Discharge Time F.V. (V/cell)	2 Min	3 Min	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V	571	462	334	223	170	136	98.5	76.5	65.0	57.3	30.1
1.75V	612	495	359	236	174	139	100.8	78.6	66.8	58.0	30.5
1.70V	642	519	375	241	176	141	101.7	79.6	67.3	58.3	30.7
1.67V	657	536	386	247	179	142	102.6	80.5	67.9	58.7	30.9
1.60V	670	550	400	251	180	143	103.5	81.3	68.3	58.9	31.1
1.50V	682	561	402	254	181	144	104.4	82.3	69.1	59.1	31.4

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

Discharge Time F.V. (V/cell)	2 Min	3 Min	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min
1.80V	52.5	42.3	30.1	19.4	14.6	11.6	8.36	6.50	5.47	4.80	2.50
1.75V	56.4	45.7	32.4	20.7	15.0	11.9	8.59	6.69	5.63	4.89	2.55
1.70V	59.5	47.9	33.9	21.2	15.2	12.1	8.67	6.76	5.67	4.92	2.56
1.67V	60.8	49.4	35.1	21.8	15.4	12.2	8.76	6.85	5.73	4.94	2.58
1.60V	62.2	50.8	36.4	22.2	15.6	12.3	8.84	6.93	5.77	4.96	2.60
1.50V	63.4	51.9	36.8	22.5	15.8	12.4	8.94	7.02	5.86	4.99	2.62

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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