



# 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

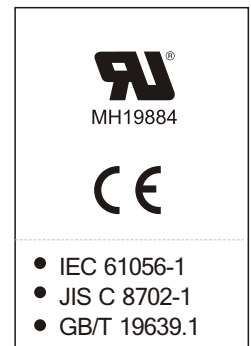
### APPLICATION

- 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



DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<b>Length</b> 151±1.5 (5.94±0.06) <b>Width</b> 65±1.5 (2.56±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 (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	762.3	646.5	506.0	315.9	253.6	200.5	145.6	102.0	86.8	82.8	42.7
1.75V	817.4	694.9	538.9	334.8	257.1	204.9	147.0	104.9	89.0	83.4	42.9
1.70V	863.1	735.2	557.1	349.2	259.2	207.1	148.4	106.1	89.8	83.6	43.2
1.67V	881.7	750.3	565.9	354.5	260.1	207.6	148.9	107.2	90.5	83.7	43.4
1.60V	911.3	775.5	580.8	361.7	261.6	208.2	149.2	108.5	91.1	83.9	43.5
1.50V	912.7	776.6	581.0	362.0	261.8	208.5	149.3	108.6	91.2	84.0	43.6

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

Discharge Time (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	70.2	59.2	45.4	27.5	21.9	17.16	12.34	8.66	7.29	6.96	3.55
1.75V	75.4	64.0	48.8	29.3	22.2	17.64	12.53	8.91	7.50	7.02	3.58
1.70V	79.9	67.9	50.3	30.8	22.4	17.71	12.64	9.02	7.56	7.03	3.60
1.67V	81.6	69.2	51.3	31.3	22.5	17.77	12.71	9.14	7.63	7.05	3.62
1.60V	84.6	71.7	52.6	32.0	22.8	17.91	12.72	9.25	7.70	7.07	3.64
1.50V	84.7	71.8	52.8	32.0	22.8	17.94	12.74	9.26	7.71	7.09	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.

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