



# VRLA Rechargeable Battery

## HR6-12



Measures Technology Values Innovation

### FEATURES

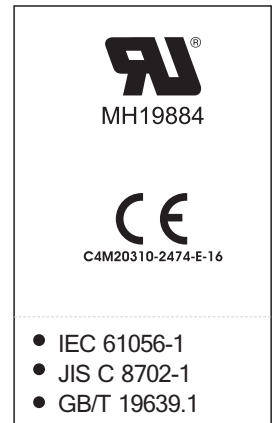
- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed for high rate usage
- Absorbent Glass Mat technology for efficient gas recombination
- The power density at 5 min~15min discharging rate is 30% higher than BP series

### APPLICATIONS

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



SPECIFICATIONS	
Nominal Voltage	12 V
Nominal Capacity	5.5Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	2100g(4.63lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤22mΩ (Fully Charged )
Max. Discharge Current	82.5 A (5 sec.)
Max. Charge Current	1.65 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( UL94 HB) HR6-12 Optional: Flame Retardant ABS(UL94 V-0) HR6-12FR



DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> <li>■ Length 151±1.5 (5.94±0.06)</li> <li>■ Width 51±1.5 (2.01±0.06)</li> <li>■ Container Height 94±1.5 (3.70±0.06)</li> <li>■ Total Height 100±2.0 (3.94±0.08)</li> </ul>		<ul style="list-style-type: none"> <li>• Terminal T1  </li> <li>• Terminal T2  </li> </ul>

Constant power discharge characteristics at 25 °C/77 °F										Unit: W
F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min	
1.80V	264	178	138.7	115.2	87.6	66.0	55.1	49.8	27.5	
1.70V	316	199	153.5	124.2	93.7	68.5	56.9	53.2	28.0	
1.60V	339	210	165.0	130.0	97.0	70.1	58.1	56.8	28.7	
1.50V	341	211	165.5	130.3	97.3	70.3	58.3	56.9	28.8	
1.40V	342	211	165.6	130.4	97.4	70.3	58.3	57.0	28.8	
1.30V	343	212	165.7	130.5	97.4	70.4	58.3	57.0	28.8	

Constant current discharge characteristics at 25 °C/77 °F										Unit: A
F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	20 Min	30 Min	40 Min	50 Min	60 Min	120 Min	
1.80V	22.0	14.7	11.48	9.70	7.42	5.55	4.61	4.15	2.29	
1.70V	26.7	16.4	12.47	10.27	7.98	5.76	4.76	4.43	2.34	
1.60V	28.6	17.3	13.70	11.15	8.29	5.89	4.86	4.73	2.39	
1.50V	29.5	17.6	13.74	11.16	8.30	5.90	4.87	4.74	2.40	
1.40V	30.0	17.9	13.75	11.16	8.31	5.90	4.87	4.74	2.40	
1.30V	30.3	18.0	13.75	11.16	8.31	5.90	4.87	4.74	2.40	

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