



## VRLA Rechargeable Battery

# HR6-12 (HR6-12FR)



### FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Low self-discharge rate, lower than 3% capacity loss per month
- Can be used in any orientation(excluding used inverted)
- The battery is designed for high rate usage
- The power density at 5 min~15min discharging rate is 30% higher than BP series

### APPLICATION

- 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	ABS(UL94-HB, UL94-V0 is optional)

ISO 9001	
ISO14001	
UL	
CE	
<ul style="list-style-type: none"> <li>• IEC61056</li> <li>• JIS C 8702</li> <li>• GB/T 19639</li> </ul>	

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 3.2(0.13) 4.75(0.19) 6.35(0.25) 0.8(0.03)</li> <li>• Terminal T2 3.4(0.13) 6.35(0.25) 7.85(0.31) 0.8(0.03)</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	246.0	168.0	121.7	103.8	78.9	60.0	50.1	44.1	24.3
1.70V	294.0	187.5	132.3	109.9	82.2	62.3	51.7	45.1	24.8
1.60V	315.0	197.3	138.3	114.0	84.0	63.7	52.8	45.9	25.2
1.50V	324.0	201.0	141.3	115.8	85.1	64.5	53.4	46.3	25.3
1.40V	330.0	203.7	142.9	116.9	85.7	64.9	53.9	46.7	25.4
1.30V	333.0	205.5	144.0	117.6	86.1	65.3	54.1	46.8	25.5

### 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	21.96	14.74	10.53	8.90	6.69	5.05	4.19	3.68	2.03
1.70V	26.73	16.45	11.44	9.43	6.97	5.24	4.33	3.76	2.07
1.60V	28.64	17.31	11.96	9.78	7.12	5.36	4.42	3.83	2.10
1.50V	29.45	17.63	12.22	9.93	7.21	5.42	4.47	3.86	2.11
1.40V	30.00	17.87	12.36	10.03	7.26	5.46	4.51	3.89	2.12
1.30V	30.27	18.03	12.46	10.09	7.30	5.49	4.53	3.90	2.13

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