



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	$\leq 22m\Omega$ (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



- IEC61056
- JIS C 8702
- GB/T 19639

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
Length 151±1.5 (5.94±0.06) Width 51±1.5 (2.01±0.06) Container Height 94±1.5 (3.70±0.06) Total Height 100±2.0 (3.94±0.08)		Terminal T1 Terminal T2

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.