



# VRLA Rechargeable Battery

## HR75-12



### 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.
- Absorbent Glass Mat technology for efficient gas recombination.
- The power density at 5 min~15min discharging rate is 30% higher than BP series.

### APPLICATION

- UPS
- Wheelchairs
- Golf-Carts



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	73Ah @ 10 hour rate F.V.(1.75V/cell)
Approx. Weight	24.75Kg(54.57lbs.)
Terminals	B5 (Fitting M6 bolt & nut) I2 is optional
Internal Resistance	≤4mΩ (Fully Charged )
Max. Discharge Current	650 A (5 sec.)
Max. Charge Current	21.9 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) HR75-12 Optional: Flame Retardant ABS(UL 94-V0) HR75-12FR

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

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<b>Length</b> 350±2.0 (13.78±0.08)		<b>Terminal B5</b> 
<b>Width</b> 166±2.0 (6.54±0.08)		<b>Terminal I2</b> 
<b>Container Height</b> 174±2.0 (6.85±0.08)		[M6 BOLT & NUT]
<b>Total Height</b> 174±2.0 (6.85±0.08)		[M6 BOLT]
		Terminal Hardware Initial Torque: B5/I2(5.5Nm±5%)

### 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	3019.5	2099.9	1520.7	1297.8	986.3	750.0	625.6	551.3	303.8
1.70V	3674.6	2344.4	1647.3	1373.0	1027.5	778.5	646.9	563.4	310.1
1.60V	3936.9	2465.8	1728.8	1425.1	1049.6	796.5	660.0	573.7	315.0
1.50V	4050.0	2512.6	1766.3	1447.5	1063.2	806.3	667.5	579.4	316.8
1.40V	4125.0	2547.9	1786.0	1460.4	1070.9	811.5	672.2	585.0	317.7
1.30V	4162.4	2565.0	1799.9	1470.0	1076.3	815.7	676.7	585.0	318.6

### 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	274.50	184.20	131.55	111.30	83.59	63.08	52.35	45.94	25.31
1.70V	334.05	205.65	142.50	117.75	87.08	65.48	54.14	46.95	25.84
1.60V	357.90	216.30	149.55	122.22	88.95	66.99	55.23	47.81	26.25
1.50V	368.18	220.40	152.79	124.14	90.10	67.81	55.86	48.29	26.40
1.40V	375.00	223.50	154.50	125.25	90.75	68.25	56.25	48.75	26.48
1.30V	378.40	225.00	155.70	126.07	91.21	68.60	56.63	48.75	26.55

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