



VRLA Rechargeable Battery

HRC5.5-12 (HRC5.5-12FR)

FEATURES

- Maintenance free
- Non-spillable battery with Absorbing Glass Matt technology (AGM)
- No water topping-up required
- Low self-discharge, less than 3% per month
- Can be used both in vertical and horizontal orientation (excluding used inverted)
- Service Life — 5-7 Years.
According to Eurobat (20 °C) — General Purpose

APPLICATIONS

- UPS
- Emergency lighting



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	5.5 Ah @ 10 hour rate F.V. (1.75 V/cell)
Approx. weight	1620 g (3.57 lbs.)
Terminal type	T2, T1 (optional)
Internal Resistance	≤ 27 mΩ (fully charged)
Max. Discharge Current	75 A (5 sec.)
Max. Charge Current	1.5 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-VO – optional)
Life of service	5 years

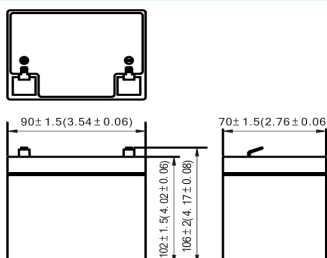
ISO 9001	
ISO 14001	
UL	
CE	
● IEC60896 ● JIS C 8704 ● GB/T 19638	

Dimensions (mm / in.)

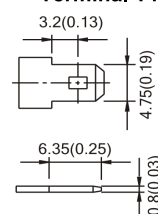
Outer dimensions

Terminal types

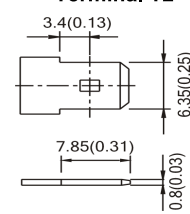
- **Length:**
90±1.5 (3.54±0.06)
- **Width:**
70±1.5 (2.76±0.06)
- **Container height:**
102±1.5 (4.02±0.06)
- **Overall height:**
106±2.0 (4.17±0.08)



Terminal T1



Terminal T2



Constant power discharge characteristics at 25°C / 77°F Unit: W

Final Voltage, V/cell	Discharge time								
	5 min.	10 min.	15 min.	20 min.	30 min.	40 min.	50 min.	60 min.	120 min.
1.80V	225.5	154.0	111.5	95.2	72.4	55.0	46.0	40.5	22.3
1.75V	269.5	171.9	121.3	100.8	75.4	57.1	47.4	41.4	22.7
1.70V	288.8	180.8	126.8	104.5	77.0	58.4	48.4	42.1	23.1
1.65V	297.0	184.3	129.9	106.2	78.0	59.2	49.0	42.5	23.2
1.60V	302.5	186.8	131.0	107.1	78.5	59.5	49.4	42.8	23.3
1.80V	305.3	188.4	132.0	107.8	79.0	59.8	49.6	42.9	23.3

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

Final Voltage, V/cell	Discharge time								
	5 min.	10 min.	15 min.	20 min.	30 min.	40 min.	50 min.	60 min.	120 min.
1.80V	20.13	13.51	9.65	8.16	6.14	4.63	3.85	3.38	1.86
1.75V	24.50	15.08	10.49	8.64	6.39	4.80	3.97	3.45	1.89
1.70V	26.25	15.86	10.97	8.96	6.53	4.91	4.05	3.51	1.93
1.65V	27.00	16.17	11.21	9.11	6.61	4.98	4.10	3.54	1.93
1.60V	27.50	16.39	11.33	9.19	6.65	5.00	4.13	3.57	1.94
1.80V	27.75	16.53	11.42	9.25	6.69	5.03	4.15	3.58	1.94

The manufacturer reserves the right to make changes due to ongoing optimization activities.