

PHR-1236

12 Volt 8.5 AH @ 20-hr. rate
36 W/Cell @ 15-min. rate

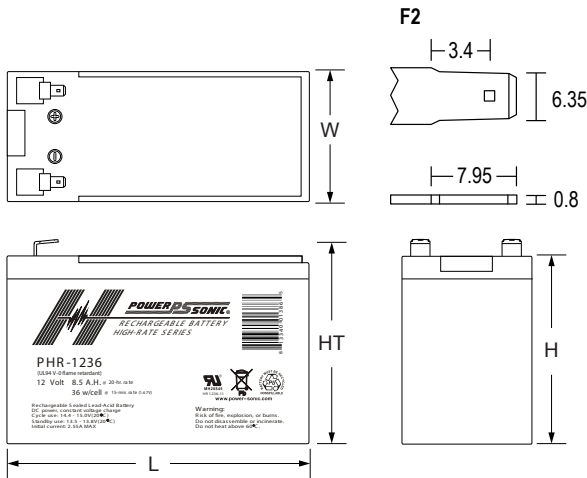
Rechargeable Sealed Lead Acid Battery
PHR HIGH RATE SERIES



We've Got The Power.™



Physical Dimensions: in (mm)



L: 5.95 (151) W: 2.56 (65) H: 3.68 (93.5) HT: 3.90 (99)

Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions.

Features

- Superb high-rate discharge characteristics that ensure reliable performance in UPS applications for up to 10 years. UL recognized
- Flame retardant ABS case and cover to UL 94 V-O for superior performance
- VRLA Absorbent Glass Mat (AGM) Technology guarantees safe operation without maintenance and "non-restricted article" status for transportation. Approved for transport by air. D.O.T., I.A.T.A. and F.A.A. certified.
- Precision plate pasting for higher consistency with 100% load testing to ensure uniform capacity
- Patented dual-paste process for enhanced active material bonding, and computer guided volumetric electrolyte control for precision filling
- Lead-calcium alloy grids and the use of high purity lead account for superior shelf-life characteristics

Performance Specifications

Nominal Voltage	12 volts (6 cells)
Nominal Power (15 min.)	36 W/Cell
Rated Capacity	
20-hr. (0.42A to 1.80 volts)	8.5 AH
10-hr. (0.80A to 1.80 volts)	8.0 AH
8-hr. (0.98A to 1.75 volts)	7.8 AH
Approximate Weight	5.3 lbs. (2.40 kg)
Internal Resistance (approx.)	13 milliohms
Max Discharge Current (5 Sec.)	105 amperes
Charging Voltage @ 77°F (20°C)	
Standby Use	2.275 ± 0.025 V/Cell, (-3.3mV/°C/Cell)
Cycle Use	2.45±0.05 V/Cell, (-5 mV /°C/Cell)
Maximum Charging Current	2.5 A
Case	Flame Retardant ABS Plastic (UL 94 V-O)

Constant Current Discharge (Amperes) at 25°C

Constant Power Discharge (Watts/Cell) at 25°C (Blue)

PHR-1236	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V	23.5	18.0	14.6	12.2	8.9	6.3	4.9	2.7	1.9	1.6	1.3	1.1	0.9	0.7	0.4
1.80V	25.9	19.9	16.0	13.4	9.6	6.8	5.3	2.9	2.1	1.7	1.4	1.2	1.0	0.8	0.4
1.75V	30.8	22.5	18.1	14.5	10.2	7.1	5.5	3.1	2.2	1.7	1.4	1.2	1.0	0.8	0.4
1.70V	32.6	23.4	18.8	14.9	10.5	7.3	5.7	3.1	2.2	1.8	1.5	1.3	1.0	0.8	0.4
1.67V	35.0	24.5	19.5	15.4	10.9	7.6	5.9	3.2	2.3	1.8	1.5	1.3	1.0	0.8	0.4
1.60V	36.7	25.4	20.0	15.8	11.1	7.8	6.0	3.3	2.3	1.8	1.5	1.3	1.0	0.8	0.4
1.85V	44.4	34.4	28.1	23.9	17.5	12.4	9.7	5.5	3.9	3.1	2.6	2.3	1.8	1.5	0.8
1.80V	48.3	37.7	30.6	26.0	18.7	13.4	10.5	5.8	4.2	3.4	2.8	2.5	2.0	1.6	0.9
1.75V	56.6	42.0	34.4	27.8	19.9	14.0	11.0	6.1	4.4	3.5	2.9	2.5	2.0	1.7	0.9
1.70V	59.0	43.2	35.2	28.3	20.3	14.3	11.3	6.2	4.5	3.5	3.0	2.5	2.0	1.7	0.9
1.67V	62.2	44.4	36.0	28.9	20.8	14.8	11.6	6.4	4.5	3.6	3.0	2.6	2.0	1.7	0.9
1.60V	63.8	45.3	36.2	29.3	21.0	14.9	11.7	6.4	4.6	3.6	3.0	2.6	2.0	1.7	0.9