

PHR-12200

12 Volt 60 AH @ 20-hr. rate
192 W/Cell @ 15-min. rate

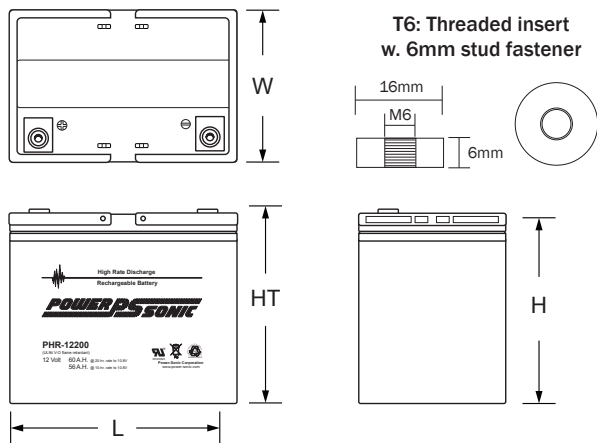
Rechargeable Sealed Lead Acid Battery
PHR HIGH RATE SERIES



We've Got The Power.™



Physical Dimensions: in (mm)



L: 9.02 (229) W: 5.43 (138) H: 8.15 (207) HT: 8.98 (228)

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-0 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.)	192 W/Cell
Rated Capacity	
20-hr. (3.0A to 10.50 volts)	60.0 AH
10-hr. (5.6A to 10.50 volts)	56.0 AH
8-hr. (6.7A to 10.20 volts)	53.6 AH
5-hr. (9.5A to 10.20 volts)	47.5 AH
1-hr. (33A to 9.00 volts)	33.0 AH
15-min. (115.2A to 9.00 volts).....	28.8 AH
Approximate Weight	40.1 lbs. (18.2 kg)
Internal Resistance (approx.)	10 milliohms
Max Discharge Current (5 Sec.)	440 amperes
Max Short-Duration Discharge Current (0.1 Sec.)	1100 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	16.5 A
Case	Flame Retardant ABS Plastic (UL 94 V-0)

Constant Current Discharge (Amperes) at 25°C

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

PHR-12200	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V	108.21	85.10	72.33	60.49	48.07	36.45	29.78	16.50	13.10	10.70	8.60	7.49	6.08	5.19	2.83
1.80V	145.36	108.79	87.40	71.53	56.81	42.32	33.35	18.00	14.10	11.40	9.23	8.03	6.45	5.50	2.86
1.75V	163.88	119.49	95.56	76.94	58.99	43.93	34.96	18.70	14.30	11.60	9.46	8.25	6.56	5.56	2.89
1.70V	180.44	130.29	102.01	80.96	61.29	45.66	35.99	19.40	14.70	11.90	9.71	8.42	6.65	5.61	2.94
1.67V	194.97	139.12	107.90	85.65	64.55	46.66	37.15	19.94	15.25	12.36	9.95	8.58	6.73	5.71	2.97
1.65V	198.95	140.53	108.45	85.91	64.74	46.81	37.26	20.00	15.30	12.40	9.98	8.61	6.75	5.73	2.98
1.60V	219.42	152.60	115.92	91.54	68.31	48.87	38.64	20.70	15.80	12.70	10.30	8.79	6.82	5.79	3.00
1.85V	197.91	157.20	135.01	114.08	91.66	70.03	57.50	32.10	25.50	20.90	16.90	14.70	12.00	10.30	5.61
1.80V	262.89	198.49	161.00	132.94	106.60	80.73	64.05	34.80	27.20	22.20	18.00	15.70	12.70	10.90	5.66
1.75V	290.03	214.59	173.65	141.56	109.71	83.03	66.70	35.90	27.60	22.60	18.40	16.10	12.90	11.00	5.70
1.70V	310.50	228.62	182.85	147.66	113.51	86.02	68.66	37.30	28.40	23.10	18.90	16.40	13.00	11.10	5.81
1.67V	330.89	242.05	192.01	155.24	118.44	87.14	70.17	37.99	29.31	23.73	19.24	16.65	13.16	11.27	5.86
1.65V	337.64	244.49	192.97	155.71	118.79	87.40	70.38	38.10	29.40	23.80	19.30	16.70	13.20	11.30	5.88
1.60V	363.75	259.32	202.97	164.10	124.54	90.62	72.56	39.20	30.20	24.50	19.90	17.00	13.30	11.40	5.90