

**PHR-12200** 12 Volt 58 AH @ 20-hr. rate  
225 W/Cell @ 15-min. rate

Rechargeable Sealed Lead Acid Battery  
PHR HIGH RATE SERIES



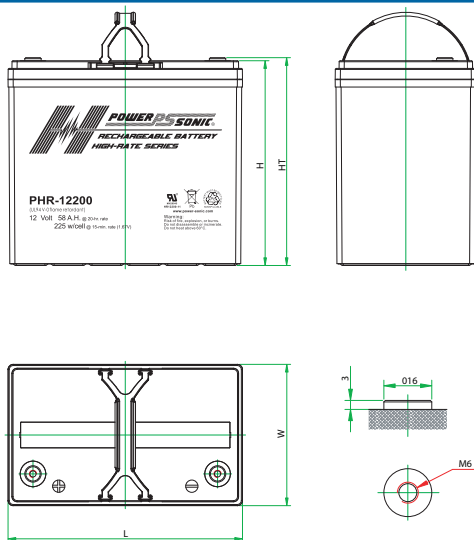
**We've Got The Power.™**



### 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

### Physical Dimensions: in (mm)



L: 9.02 (229) W: 5.43 (138) H: 7.87 (200) HT: 7.99 (203)

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

### Performance Specifications

<b>Nominal Voltage</b> .....	12 volts (6 cells)
<b>Nominal Power</b> (15 min.) .....	225 W/Cell
<b>Rated Capacity</b>	
20-hr. (2.90A to 10.80 volts) .....	58.0 AH
10-hr. (5.50A to 10.50 volts) .....	55.0 AH
8-hr. (6.68A to 10.50 volts) .....	53.6 AH
<b>Approximate Weight</b> .....	38.1 lbs. (17.3 kg)
<b>Internal Resistance</b> (approx.) .....	5 milliohms
<b>Max Discharge Current</b> (5 Sec.) .....	825 amperes
<b>Charging Voltage @ 77°F (20° C)</b>	
Standby Use .....	2.275 ± 0.025 V/Cell, (-3.3mV/°C/Cell)
Cycle Use .....	2.45±0.05 V/Cell, (-5 mV /°C/Cell)
<b>Maximum Charging Current</b> .....	16.5 A
<b>Case</b> .....	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-12200	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V	111.4	77.6	64	55.6	44.6	34.2	28	17.12	13.04	10.72	9.1	7.88	6.26	5.2	2.88
1.80V	137	92.6	74.2	62.8	49.4	37.4	30.2	18.18	13.7	11.26	9.48	8.22	6.5	5.4	2.9
1.75V	162.2	104.8	81.8	68.4	52.6	39.6	31.8	18.96	14.2	11.62	9.74	8.42	6.68	5.5	2.92
1.70V	184	115.6	88.6	73.4	55.4	41.2	33	19.74	14.66	11.9	9.98	8.64	6.78	5.6	2.98
1.67V	202	124.2	93.8	77	57.6	42.8	34.4	20.4	15.02	12.16	10.2	8.8	6.88	5.66	3.02
1.60V	212	129.4	97.6	79.6	59.2	43.8	35.2	21	15.38	12.46	10.42	8.98	7.02	5.76	3.04
1.85V	262.3	196.5	166.3	143.9	110.9	81.1	65.0	38.5	27.7	21.9	18.3	15.8	12.6	10.5	5.46
1.80V	308.7	221.1	186.4	157.0	118.1	85.3	68.0	39.9	28.6	22.5	18.8	16.2	12.9	10.8	5.65
1.75V	353.2	242.4	199.6	166.5	122.7	88.3	70.0	41.0	29.2	22.9	19.0	16.4	13.1	10.9	5.75
1.70V	378.4	261.2	211.5	175.2	127.6	90.6	71.8	41.4	29.7	23.3	19.3	16.7	13.3	11.0	5.81
1.67V	406.6	274.0	225.1	183.2	131.4	93.3	73.7	42.3	30.0	23.6	19.6	16.9	13.4	11.2	5.89
1.60V	432.7	289.8	232.3	189.0	134.8	95.6	75.2	42.7	30.4	24.0	20.0	17.2	13.6	11.3	5.98