

**PHR-12550** 12 Volt 155 AH @ 20-hr. rate  
539 W/Cell @ 15-min. rate

Rechargeable Sealed Lead Acid Battery  
PHR HIGH RATE SERIES



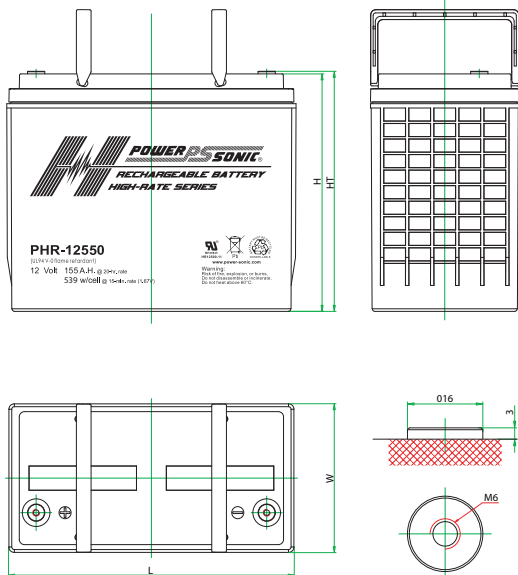
**We've Got The Power.™**



### 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: 13.19 (335) W: 6.77 (172) H: 10.83 (275) HT: 10.94 (278)

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 (15 min.)</b> .....	539 W/Cell
<b>Rated Capacity</b>	
20-hr. (7.50A to 10.80 volts) .....	155.0 AH
10-hr. (14.30A to 10.50 volts) .....	143.0 AH
8-hr. (17.50A to 10.50 volts) .....	140.0 AH
<b>Approximate Weight</b> .....	93.5 lbs. (42.4 kg)
<b>Internal Resistance (approx.)</b> .....	3.1 milliohms
<b>Max Discharge Current (5 Sec.)</b> .....	2015 amperes
<b>Charging Voltage @ 77°F (20° C)</b>	
<b>Standby Use</b> .....	2.275 ± 0.025 V/Cell, (-3.3mV/°C/Cell)
<b>Cycle Use</b> .....	2.45±0.05 V/Cell, (-5 mV /°C/Cell)
<b>Maximum Charging Current</b> .....	46.5 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-12550	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V	282.7	227.9	197.5	173.4	138.3	106.0	87.0	51.5	37.2	29.6	24.6	21.4	17.1	14.3	7.57
1.80V	327.4	252.0	217.6	192.0	150.7	114.1	92.1	54.0	38.8	30.7	25.5	22.1	17.6	14.7	7.75
1.75V	381.3	281.8	241.2	207.9	161.8	121.1	97.3	56.3	40.1	31.5	26.1	22.6	17.9	15.0	7.93
1.70V	425.9	309.7	265.0	225.9	173.3	127.9	102.0	58.2	41.2	32.3	26.7	23.0	18.3	15.3	8.06
1.67V	466.9	341.3	288.5	240.4	180.8	133.3	105.6	60.1	42.4	33.1	27.3	23.5	18.7	15.5	8.20
1.60V	507.8	369.2	304.4	253.4	190.0	138.9	109.5	61.7	43.2	34.0	28.0	24.2	19.1	15.9	8.36
1.85V	537.7	438.4	382.7	337.8	271.0	209.1	172.5	102.8	74.4	59.5	49.8	43.5	34.9	29.5	15.6
1.80V	615.4	480.8	417.8	371.3	293.0	223.2	181.3	106.8	77.1	61.2	51.1	44.4	35.6	30.0	15.9
1.75V	710.1	530.7	458.9	398.9	312.2	235.1	190.2	110.7	79.2	62.5	52.0	45.2	36.1	30.4	16.2
1.70V	785.4	577.9	499.2	430.2	332.1	246.5	197.9	113.6	80.8	63.8	53.0	45.8	36.7	30.9	16.4
1.67V	852.0	630.1	539.0	454.3	344.4	255.5	203.8	116.8	82.8	65.0	53.9	46.6	37.2	31.2	16.6
1.60V	908.9	667.5	558.6	468.8	354.4	261.2	207.5	117.7	82.9	65.5	54.3	47.1	37.5	31.3	16.6