

**PHR-12400** 12 Volt 110 AH @ 20-hr. rate  
430 W/Cell @ 15-min. rate

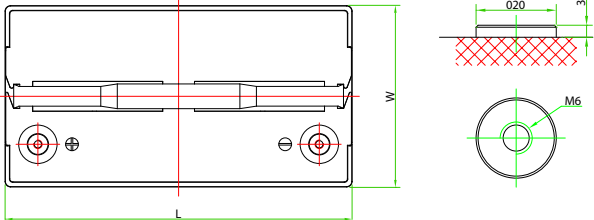
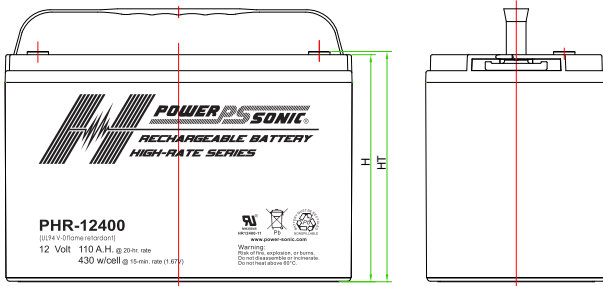
**Rechargeable Sealed Lead Acid Battery**  
**PHR HIGH RATE SERIES**



**We've Got The Power.™**



### Physical Dimensions: in (mm)



L: 12.81 (326) W: 6.69 (170) H: 8.39 (213) HT: 8.50 (216)

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

<b>Nominal Voltage</b> .....	12 volts (6 cells)
<b>Nominal Power</b> (15 min.) .....	430 W/Cell
<b>Rated Capacity</b>	
20-hr. (5.50A to 10.80 volts) .....	110.0 AH
10-hr. (10.70A to 10.50 volts) .....	107.0 AH
8-hr. (12.90A to 10.50 volts) .....	103.2 AH
<b>Approximate Weight</b> .....	69.2 lbs. (31.4 kg)
<b>Internal Resistance</b> (approx.) .....	3.6 milliohms
<b>Max Discharge Current</b> (5 Sec.) .....	1650 amperes
<b>Operating Temperature</b>	
<b>Discharge</b> .....	-15 ~ 50°C (5 ~ 122°F)
<b>Charging</b> .....	0 ~ 40°C (32 ~ 104°F)
<b>Storage</b> .....	-15 ~ 40°C (5 ~ 104°F)
<b>Maximum Charging Current</b> .....	33.0 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-12400	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V	216.5	183.3	159.3	136.4	104.9	76.9	61.6	35.8	26.4	21.2	17.8	15.4	12.3	10.3	5.38
1.80V	264.0	210.3	176.9	149.5	112.4	82.9	65.6	37.7	27.6	22.0	18.5	15.9	12.6	10.5	5.50
1.75V	297.0	230.3	193.6	161.7	119.7	86.8	68.9	39.5	28.7	22.6	18.8	16.3	12.9	10.7	5.63
1.70V	335.3	254.1	209.9	173.9	128.0	91.8	72.5	41.1	29.6	23.2	19.3	16.6	13.2	10.9	5.72
1.67V	363.0	275.2	227.0	186.8	135.3	96.5	75.9	42.4	30.4	23.8	19.8	17.0	13.5	11.1	5.82
1.60V	390.7	298.7	243.3	198.3	142.6	100.3	78.4	43.8	31.2	24.6	20.3	17.5	13.8	11.3	5.98
1.85V	421.2	358.6	313.4	269.7	208.5	153.4	123.4	71.9	53.3	42.9	36.1	31.4	25.2	21.2	11.1
1.80V	508.2	407.2	344.5	292.7	221.4	164.2	130.4	75.5	55.4	44.4	37.4	32.3	25.8	21.5	11.3
1.75V	565.9	441.9	373.7	313.9	233.7	170.6	136.0	78.5	57.2	45.3	37.8	32.8	26.2	21.8	11.5
1.70V	631.6	482.1	400.4	334.0	247.6	178.7	142.0	81.1	58.7	46.2	38.4	33.3	26.6	22.1	11.6
1.67V	678.3	518.2	430.4	356.5	260.1	186.8	148.0	83.2	60.0	47.2	39.2	33.8	26.9	22.3	11.8
1.60V	721.9	556.4	456.5	374.9	271.3	192.4	151.4	85.1	61.1	48.2	40.0	34.5	27.3	22.5	12.0