

PHR-12100 12 Volt 27 AH @ 20-hr. rate
93 W/Cell @ 15-min. rate

Rechargeable Sealed Lead Acid Battery
PHR HIGH RATE SERIES



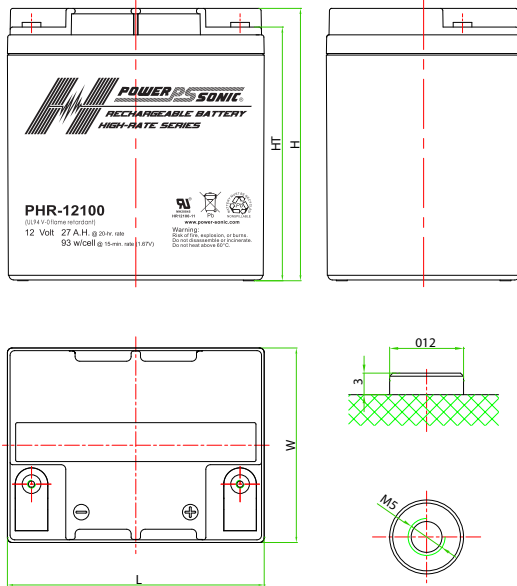
We've Got The Power.™



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: 6.46 (164) W: 4.92 (125) H: 6.89 (175) HT: 6.50 (165)

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

Performance Specifications

Nominal Voltage	12 volts (6 cells)
Nominal Power (15 min.)	93 W/Cell
Rated Capacity	
20-hr. (1.35A to 10.80 volts)	27.0 AH
10-hr. (2.66A to 10.50 volts)	26.6 AH
8-hr. (3.22A to 10.50 volts)	25.8 AH
Approximate Weight	20.9 lbs. (9.48 kg)
Internal Resistance (approx.)	10 milliohms
Max Discharge Current (5 Sec.)	540 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	8.1 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-12100	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V	62.5	47.7	39.0	33.0	25.7	19.5	15.8	9.40	6.86	5.44	4.51	3.88	3.05	2.54	1.32
1.80V	71.2	52.8	42.2	34.9	27.2	20.6	16.8	9.88	7.12	5.61	4.67	4.01	3.15	2.61	1.35
1.75V	81.1	56.4	44.8	37.3	28.3	21.3	17.3	10.20	7.32	5.74	4.75	4.08	3.22	2.66	1.38
1.70V	89.1	60.3	46.8	38.6	29.2	21.9	17.7	10.40	7.47	5.88	4.87	4.19	3.29	2.71	1.40
1.67V	94.8	63.0	48.9	40.1	30.1	22.5	18.2	10.60	7.62	5.98	4.98	4.28	3.34	2.75	1.43
1.60V	98.5	65.1	50.5	41.5	31.1	23.0	18.6	10.80	7.76	6.12	5.10	4.37	3.41	2.81	1.47
1.85V	121.5	93.3	76.8	65.3	51.0	38.9	31.7	18.9	13.9	11.0	9.18	7.91	6.26	5.22	2.74
1.80V	137.1	102.2	82.2	68.4	53.6	40.8	33.4	19.8	14.3	11.3	9.45	8.13	6.42	5.33	2.77
1.75V	154.5	108.1	86.6	72.3	55.3	41.7	34.1	20.2	14.6	11.5	9.55	8.23	6.52	5.42	2.82
1.70V	167.8	114.3	89.2	74.2	56.6	42.6	34.8	20.5	14.8	11.7	9.72	8.39	6.61	5.47	2.85
1.67V	177.1	118.7	92.8	76.3	57.9	43.4	35.5	20.8	15.0	11.8	9.89	8.53	6.70	5.54	2.89
1.60V	181.9	121.3	94.8	78.2	59.3	44.0	35.9	21.0	15.2	12.0	10.0	8.62	6.77	5.61	2.94