

PHR-12500 12 Volt 150 AH @ 20-hr. rate
492 W/Cell @ 15-min. rate

Rechargeable Sealed Lead Acid Battery
PHR HIGH RATE SERIES



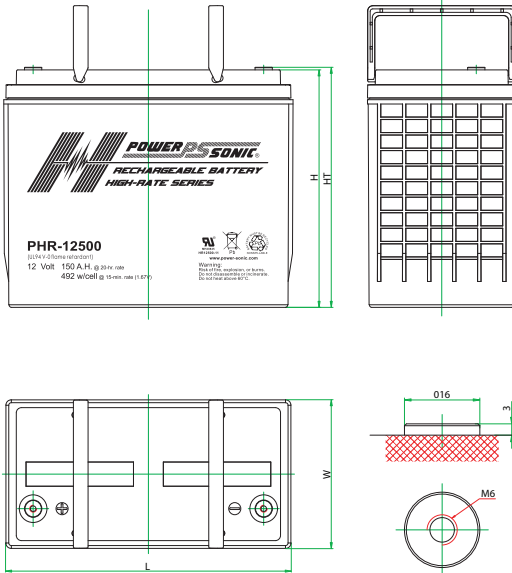
We've Got The Power.™



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

Nominal Voltage	12 volts (6 cells)
Nominal Power (15 min.)	492 W/Cell
Rated Capacity	
20-hr. (7.50A to 10.80 volts)	150.0 AH
10-hr. (14.30A to 10.50 volts)	143.0 AH
8-hr. (17.50A to 10.50 volts)	140.0 AH
Approximate Weight	92.6 lbs. (42.0 kg)
Internal Resistance (approx.)	3.2 milliohms
Max Discharge Current (5 Sec.)	1846 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	42.6 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-12500	5 min	10 min	15 min	20 min	30 min	45 min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V	286	219	182	157	121	89.5	75.4	44.6	34.9	28.4	23.1	20.1	16.2	13.5	7.4
1.80V	383	280	220	186	143	104	84.5	48.7	37.6	30.3	24.8	21.5	17.2	14	7.5
1.75V	432	308	240	200	149	108	88.4	50.5	38.3	31	25.5	22.1	17.5	14.3	7.6
1.70V	476	336	256	210	155	112	91.2	51.8	39.3	31.8	26.1	22.6	17.7	14.6	7.7
1.67V	525	362	272	223	163	115	93.3	52.5	41	32.9	26.9	23.1	18	14.9	7.8
1.60V	579	393	291	238	173	120	94.2	54.8	42.2	33.9	27.8	23.6	18.2	15.1	7.9
1.85V	497.8	416.3	366.4	329.0	261.1	199.4	162.9	96.6	70.3	56.2	47.3	41.1	32.7	27.3	14.3
1.80V	583.6	464.8	403.5	355.1	278.1	210.8	171.7	100.2	72.9	57.7	48.3	41.8	33.3	27.7	14.6
1.75V	661.2	521.8	438.3	377.7	290.8	219.8	179.2	103.3	75.0	59.3	49.5	42.9	33.9	28.0	14.8
1.70V	722.4	555.3	462.8	397.6	303.2	228.4	185.4	106.7	76.5	60.3	50.4	43.4	34.3	28.3	15.0
1.67V	777.5	591.1	492.0	416.4	317.3	237.7	191.8	109.9	78.2	61.7	51.1	44.1	34.6	28.6	15.2
1.60V	829.6	628.8	511.8	429.8	325.9	242.2	195.1	110.8	78.8	61.9	51.5	44.3	34.6	28.6	15.2