





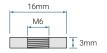


PHR-12350 12V 95.0 AH @ 20-hr. 370 W/Cell @ 15-min.

Rechargeable Sealed Lead Acid Battery PHR - High-Rate Series

TERMINALS: (mm)

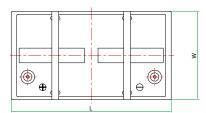
Threaded insert with 3mm stud fastener





Torque: 3.9~5.5 Nxm

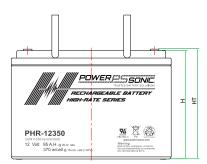
DIMENSIONS: inch (mm)

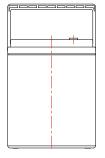


12.00 (305) **W**: 6.61 (168)

8.15 (207) H: **HT**: 8.27 (210)

Tolerances are +/- 0.04 in. (+/- 1mm) and +/- 0.08 in. (+/- 2mm) for height dimensions. All data subject to change without notice.





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To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website © 2018. Power-Sonic Corporation. All rights reserved. All trademarks are the property of their respective owners All data subject to change without notice. E&O.E

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FEATURES

- Superb high-rate discharge characteristics that ensure reliable performance in UPS applications for up to
- · Specifically designed for UPS and critical power backup applications
- Valve regulated, maintenance free spill proof construction
- · 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
- · Rugged vibration and impact resistant ABS case and cover flame retardant to UL94-V0

APPROVALS

- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- U.L recognized
- ISO9001:2015 Quality management systems

PERFORMANCE SPECIFICATIONS	
Nominal Voltage	12 volts (6 cells)
Nominal Power (15 min.)	370 W/Cell
Rated Capacity 20-hr. (4.75A to 10.80 volts) 10-hr. (9.25A to 10.50 volts) 8-hr. (11.20A to 10.50 volts)	95.0 AH 92.5 AH 89.6 AH
Approximate Weight	60.4 lbs. (27.4 kg)
Internal Resistance (approx.)	4.0 milliohms
Max Discharge Current (5 Sec.)	1425 amperes
Shelf Life (% of nominal capacity at 6 1 Month 3 Month 6 Month	8°F (20°C) 97% 91% 83%
Operating Temperature Range Charge Discharge	5°F (-15°C) to 122°F (50°C) -4°F (-20°C) to 140°F (60°C)
Case and Cover	Flame Retardant ABS Plastic UL94:V-0
Power Sonic Chargers	PSC-1210000-PC



PHR-12350 12V 95.0 AH @ 20-hr. 370 W/Cell @ 15-min.

Rechargeable Sealed Lead Acid Battery
PHR - High-Rate Series

CONSTANT	CHEREN	IT DISCH	ARCE (AM	PERFOLA	T 25°ቦ (770F)									
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	209.8	171.1	145.5	123.1	95.0	69.9	56.5	33.7	24.4	19.1	15.8	13.6	10.7	8.84	4.63
1.80V/cell	234.8	190.7	158.5	133.1	100.7	73.4	59.2	65.0	25.1	19.8	16.3	14.0	10.9	9.07	4.75
1.75V/cell	262.2	209.2	171.4	142.2	105.8	76.7	61.6	35.8	25.7	20.1	16.7	14.3	11.2	9.25	4.86
1.70V/cell	290.7	226.9	182.4	151.3	111.2	80.1	63.5	36.6	26.2	20.6	17.1	14.6	11.4	9.43	4.94
1.65V/cell	321.5	242.8	195.3	159.6	116.5	82.8	65.3	37.3	26.7	21.0	17.3	14.9	11.6	9.59	5.03
I.60V/cell	348.8	258.8	205.6	166.7	120.4	85.8	67.5	38.3	27.2	21.4	17.7	15.2	11.9	9.76	5.16
CONSTANT	POWER	DISCHAR	GE (WATT	S/CELL) /	AT 25°C (77°F)									
CONSTANT F.V/Time	POWER 5min	DISCHAR 10min	GE (WATT 15min	S/CELL) / 20min	AT 25°C (30min	(77°F) 45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
							1h 113.2	2h 67.8	3h 49.2	4h 38.8	5h 32.2	6h 27.7	8h 21.8	10h 18.2	20h 9.58
F.V/Time	5min	10min	15min	20min	30min	45min									
F.V/Time 1.85V/cell	5min 408.1	10min 334.7	15min 286.3	20min 243.4	30min 188.8	45min 139.6	113.2	67.8	49.2	38.8	32.2	27.7	21.8	18.2	9.58
F.V/Time 1.85V/cell 1.80V/cell	5min 408.1 452.1	10min 334.7 369.2	15min 286.3 308.6	20min 243.4 260.6	30min 188.8 198.3	45min 139.6 145.4	113.2 117.7	67.8 69.9	49.2 50.4	38.8 39.8	32.2 33.1	27.7 28.3	21.8 22.3	18.2 18.6	9.58 9.76
F.V/Time 1.85V/cell 1.80V/cell 1.75V/cell	5min 408.1 452.1 499.6	10min 334.7 369.2 401.3	15min 286.3 308.6 330.8	20min 243.4 260.6 276.0	30min 188.8 198.3 206.7	45min 139.6 145.4 150.7	113.2 117.7 121.6	67.8 69.9 71.1	49.2 50.4 51.3	38.8 39.8 40.3	32.2 33.1 33.5	27.7 28.3 28.9	21.8 22.3 22.7	18.2 18.6 18.8	9.58 9.76 9.93

CHARGING

Cycle Applications: Apply constant voltage charge at 2.35v/c - 2.45v/c (14.1 – 14.7v for 12v Monobloc) at 20°C. Initial charging current should be set at less than 0.25C Amps. Switch to float charge to avoid overcharging.

"Float" or "Stand-By" Service: Apply constant voltage charge of 2.25v/c – 2.30v/c (13.5 to 13.8 volts for 12v Monobloc at 20°C. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

Temperature Compensation: Charging Voltage for both Cyclic and Standby applications should be regulated in relation to ambient temperature. As temperature rises charging voltage should be reduced to prevent overcharge and increased as temperature falls to avoid undercharge.

For further charging information including temperature compensation factors, see Power Sonic Technical Manual/Power Sonic Charger specifications.

APPLICATIONS

High Rate UPS

Data Centers

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CHARGERS

Power Sonic offers a wide range of chargers suitable for batteries with a variety of capacities.

Please refer to our website for more information on our switch mode and transformer type chargers.

Please contact our technical department for advice if you have difficulty in locating a suitable charger.

FURTHER INFORMATION

Please refer to our website **www.power-sonic.com** for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.

