

Physical properties of Eaton batteries

Battery type

Eaton listed part numbers:	HR1227W	PWHR1234W2FR	PWHR12120W3FR	PWHR12200W4FR	PWHR12280W4FR	PWHR12330W4FR	PWHR12390W4FR	PWHR12500W4FR	PWHR12540W4FR	PWHR12620W4FR	PWXP502W4FR	PWXP651W4FR
Internal part numbers:	58700033	58700036-001	153302078-002	153302090-002	153302086-002	153302088-002	153302085-002	153302087-002	P-153700004-002	P-153000033-002	P-153000034-002	P-153000036-002
Electrolyte (gal / battery)	0.070	0.099	0.368	0.821	1.086	1.463	1.520	1.607	2.058	1.975	1.515	1.975
H2SO4 Weight (lb / cell)	0.057	0.073	0.296	0.438	0.579	0.816	0.849	1.188	1.149	1.053	0.807	1.052
Lead (lb / cell)	0.516	0.722	2.532	4.439	6.851	7.433	8.526	12.354	11.301	12.836	9.932	12.980
Battery weight (lbs)	4.41	5.95	22.49	38.14	56.88	65.26	72.75	100.75	96.78	104.05	81.35	105.60
Connection	0.250 inch (6.35 mm) tab	0.250 inch (6.35 mm) tab	M5	M6	M6	M6	M6	M6	M6	M6	M6	M6
Tightening torque (max)	N/A	N/A	26.4 lb in	44.9 lb in	44.9 lb in	44.9 lb in	44.9 lb in	44.9 lb in	44.9 lb in	44.9 lb in	44.9 lb in	44.9 lb in
20hr-rate	6.8	8.5	30.0	50.0	70.0	100.0	97.5	125.0	135.0	140.0	110.0	150.0
WH (per battery @ 15min rate)		51.0	180.0	300.0	420.0	495.0	585.0		810.0	930.0	753.0	976.5
Gassing rate (cm ³ /hour) 2.3 V/cell, 99% recombination efficiency	0.1274825	0.1605335	0.5665887	0.9443145	1.3220403	1.8886290	1.8414133	2.3607863	2.5496492	2.6440806	2.0774919	2.8329435

NOTE:

1. It is recommended to keep the ambient air temperature the battery is used in at 25°C (77°F) for optimal battery life and discharge performance.
2. If the Whr ratings above are going to be used to satisfy the requirements of the International Fire Code (IFC), a request must be submitted to Eaton for application specific calculations.



Powering Business Worldwide

For additional information on Eaton's private-labeled batteries, contact Battery Service Sales Support at: **800.843.9433** or **Eaton.com/UPSbatteries**

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