



Rechargeable Sealed Lead-Acid Batteries



Model	Nominal Voltage V	Nominal Capacity A.H.	Current @ 20 hr. rate mA	Length		Width		Height		Ht. Over Terminal		Weight		Standard Terminals
				in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	
PS-260	2	6.0	300	1.97	50	1.34	34	3.94	100	4.13	105	0.86	0.39	F1
PS-445	4	4.5	225	1.89	48	2.09	53	3.70	94	3.86	98	1.40	0.65	F2
PS-490	4	9.0	450	3.97	101	1.73	44	3.74	95	4.02	102	2.50	1.14	F2
PS-4100	4	10.0	500	4.02	102	1.97	50	3.72	94.5	3.92	99.6	3.10	1.41	F1
PS-605	6	0.5	25	2.24	57	0.55	14	1.97	50	1.97	50	0.20	0.09	WL
PS-610	6	1.1	55	2.00	51	1.65	42	2.00	51	2.20	56	0.60	0.30	F1
PS-612	6	1.4	70	3.82	97	0.94	24	2.00	51	2.19	56	0.60	0.30	F1
PS-628	6	2.9	145	2.60	66	1.30	33	3.86	98	4.06	103	1.30	0.59	F1
PS-630	6	3.5	175	5.28	134	1.34	34	2.35	60	2.56	65	1.37	0.62	F1
PS-632	6	3.5	175	2.60	66	1.30	33	4.65	118	4.80	122	1.37	0.62	F1
PS-640	6	4.6	230	2.76	70	1.86	47	3.94	100	4.25	108	1.80	0.82	F1
PS-650L	6	5.0	250	2.63	67	2.63	67	3.78	96	4.28	109	2.00	0.91	SP
PS-665	6	6.5	325	3.86	98	2.20	56	4.05	103	4.06	103	2.10	0.95	FP
PS-670	6	7.0	350	5.95	151	1.34	34	3.70	94	3.94	100	2.80	1.27	F1
PS-682	6	9.0	450	3.86	96	2.20	56	4.65	118	4.65	118	3.35	1.52	F1
PS-6100	6	12.0	600	5.95	151	2.00	51	3.70	94	3.86	98	4.40	2.00	F1 or F2
PS-6120	6	13.0	650	4.26	108	2.795	71	5.54	141	5.54	141	5.30	2.40	FP
PS-6120 Toy	6	13.0	650	4.26	108	2.795	71	5.54	141	5.54	141	5.30	2.40	TS or TH
PS-6200	6	20.0	1000	6.18	157	3.27	83	4.92	125	4.92	125	7.52	3.41	NB
PS-6360	6	36.0	1800	6.25	159	3.35	85	6.50	165	6.95	177	13.70	6.20	F2 or NB
PS-832	8	3.2	160	5.29	134	1.42	36	2.49	63	2.70	69	1.90	0.86	F1
PS-1208	12	0.8	40	3.78	96	0.98	25	2.42	62	2.42	62	0.80	0.36	WL
PS-1212	12	1.4	70	3.82	97	1.69	43	2.05	52	2.28	58	1.32	0.60	F1
PS-1220	12	2.5	125	7.01	178	1.38	35	2.36	60	2.56	65	2.20	1.00	F1
PS-1221S	12	2.0	100	5.94	151	0.79	20	3.50	89	3.50	89	1.50	0.68	F1
PS-1223	12	2.3	115	7.17	182	0.94	24	2.42	62	2.42	62	1.68	0.76	PC
PS-1228	12	2.8	140	5.24	133	1.30	33	3.82	97	4.09	104	2.60	1.18	F1
PS-1229	12	2.9	145	7.01	178	1.34	34	2.36	60	2.56	65	2.60	1.18	F1
PS-1230	12	3.4	170	5.28	134	2.64	67	2.36	60	2.60	66	2.90	1.32	F1
PS-1250	12	5.0	250	3.54	90	2.76	70	3.98	101	4.21	107	3.75	1.70	F1 or F2
PS-1251FP	12	5.4	270	5.50	139.7	1.89	48	4.02	102	4.06	103	4.20	1.90	FP
PSH-1255	12	6.0	24 Watts/Cell*	3.54	90	2.76	70	3.98	101	4.21	107	4.19	1.90	F2
PS-1270	12	7.0	350	5.95	151	2.56	65	3.70	94	3.86	98	5.70	2.59	F1 or F2
PSH-1280	12	8.5	37 Watts/Cell*	5.95	151	2.56	65	3.70	94	3.86	98	6.00	2.72	F2
PS-1282	12	9.0	450	3.86	98	4.40	112	4.65	118	4.65	118	7.45	3.38	F1
PS-12100	12	12.0	600	5.95	151	4.00	102	3.70	94	3.86	98	8.80	4.00	F1
PSH-12100	12	10.5	41 Watts/Cell*	5.95	151	2.56	65	4.37	111	4.61	117	7.00	3.18	F2
PS-12120	12	12.0	600	5.95	151	3.86	98	3.70	94	3.94	100	8.50	3.86	F2
PS-12180	12	18.0	900	7.13	181	3.00	76	6.59	167	6.59	167	12.60	5.70	F2 or NB
PSH-12180	12	21.0	77 Watts/Cell*	7.14	182	3.03	77	6.59	168	6.59	168	13.30	6.00	NB
PS-12260	12	26.0	1300	6.54	166	6.88	175	4.95	126	4.95	126	18.00	8.18	F2 or NB
PS-12280	12	28.0	1400	6.54	166	4.95	126	6.89	175	6.89	175	21.40	9.70	NB
PS-12330	12	35.0	1750	7.80	198	5.20	132	6.22	158	7.07	180	26.50	12.00	NB
PS-12400	12	40.0	2000	7.76	197	6.50	165	6.69	170	6.69	170	30.50	13.80	NB
PS-12550	12	55.0	2750	9.04	230	5.45	138	8.15	207	8.98	228	41.30	18.77	U
PS-12750	12	75.0	3750	10.25	260	6.60	168	8.15	207	8.98	228	55.00	25.00	U
PS-121000	12	100.0	5000	12.00	305	6.60	168	8.15	207	8.98	228	68.70	31.20	U
PS-121100	12	110.0	5500	13.00	330	6.76	172	8.40	213	8.70	221	71.20	32.36	B
PS-121400	12	140.0	7000	13.50	343	6.75	171	10.80	275	11.15	283	102.00	46.36	B

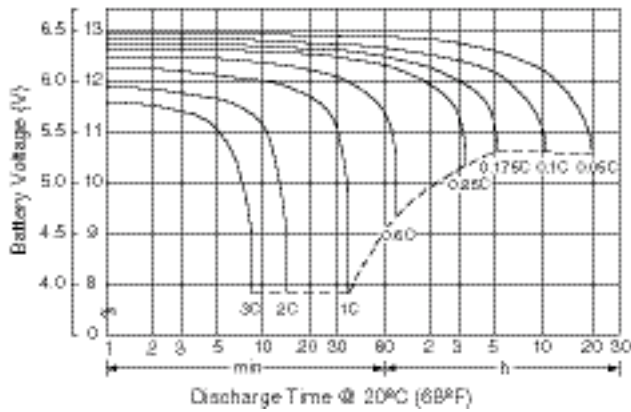
The **PSG Series** of batteries correspond in size to Hawker models of same voltage and capacity.

* Watts/cell @ 15 min. rate to 1.67V

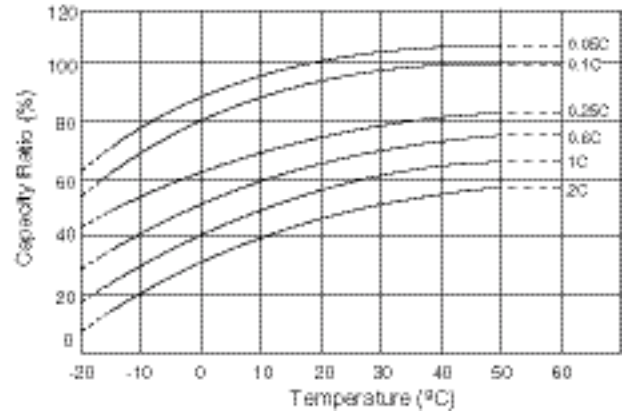
PSG-450	4	5.0	250	3.54	90	1.94	49	2.87	73	2.87	73	1.70	0.77	F2
PSG-480	4	8.0	400	3.54	90	1.94	49	4.00	102	4.00	102	2.50	1.14	F2
PSG-625	6	2.5	125	4.15	105	1.63	41	2.70	69	2.70	69	1.50	0.68	F1
PSG-650	6	5.0	250	5.28	134	1.94	49	3.00	76	3.00	76	2.50	1.14	F2
PSG-680	6	8.0	400	5.28	134	1.94	49	3.99	101	3.99	101	3.70	1.68	F2

DISCHARGE CHARACTERISTICS

Characteristic Discharge Curves



Effect of Temperature on Capacity



CHARGING

Cycle Applications: Limit initial current to 0.30C (C is the nominal A.H. capacity of the battery). Charge until battery voltage (under charge) reaches 2.45 volts per cell at 68°F (20°C). Hold at 2.45 volts per cell until current drops to approximately 0.01C amperes. Battery is fully charged under these conditions, and charger should be disconnected or switched to "float" voltage.

"Float" or "Stand-by" Service: Hold battery across constant voltage source of 2.25 to 2.30 volts per cell continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

APPLICATION NOTES

Continuous over or undercharging is the single worst enemy of a lead-acid battery. Caution should be exercised to insure that the charger is disconnected after cycle charging, or that the float voltage is set correctly.

Because there is a chance of off-gassing hydrogen and oxygen if the battery is overcharged, it is important to provide adequate air circulation.

Batteries should not be stored in a discharged state (or in a hot place). If a battery has been discharged for some time it may not readily take a charge. To over-come this, leave the charger connected and the battery will eventually begin to accept a charge.

Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged after 6 months of storage at 20-25°C, otherwise permanent loss of capacity might occur as a result of sulfation. To prolong shelf life without charging, store batteries at 50°F (10°C) or less.

TERMINALS

"F1" FASTON

0.187" x 0.032"
quick disconnect tabs.



"F2" FASTON

0.250" x 0.032"
quick disconnect tabs.



"FP" FASTON Polarized

Positive: "F2" Negative: "F1"

"PC" Pressure Contacts

On PS-1223 battery.



Spring **"SP"**

Fully collapsible spring terminals for positive and negative contacts.



Universal **"U"**

Universal automotive post with nut & bolt ("NB") terminal connectors



Button **"B"**

Threaded copper insert terminals

"WL"

Insulated, stranded wire leads terminated with:

- Molex Housing 5264-02 & 5263-PBT plug on PS-605
- AMP Housing 1-480318-0 & 8116-1 on PS-1208

"TS/TH" Toy battery connectors:

- S-connector 6120 TS



- H-connector 6120 TH



All data subject to change without notice.

POWER PS SONIC

AVAILABLE THROUGH

DC Battery Specialists

160 NW 73 St • Miami, FL 33150

Tel:305.758.5041 Fax:305.758.3469

e-mail: sales@dcbattery.com • www.dcbattery.com



ISO9001-2000

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