

POWER *PS* SONIC



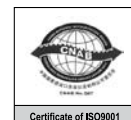
RECHARGEABLE VRLA BATTERIES

Engineered With Vision. Built With Care.

The Power-Sonic Corporation has been a leading force since 1970 in the supply of high quality cost effective batteries. Power-Sonic markets an extensive range of rechargeable sealed lead acid batteries worldwide. These batteries envelop a broad spectrum of electronic and industrial applications, either as the prime or standby power source. Engineers and buyers continue to insist on Power-Sonic batteries, wherever reliable and cost effective DC power is required.

Power-Sonic is dedicated to continual product development to improve the performance and reliability of our product range. New batteries are constantly being introduced to meet the ever evolving needs of industry. We strive to produce batteries with superior performance characteristics and value, through advanced engineering and state-of-the art manufacturing processes, coupled with the use of premium raw materials.

Providing our customers with reliable, yet economical, products is the corner stone of the Power-Sonic mission.



We've Got The Power.™

PS-SERIES: General Purpose 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	0.89	0.40	F1
PS-445	4	4.5	225	1.89	48	2.09	53	3.70	94	3.86	98	1.30	0.59	F2
PS-490	4	9.0	450	4.01	102	1.73	44	3.74	95	4.02	102	2.30	1.05	F2
PS-4100	4	10.0	500	4.01	102	1.97	50	3.70	94	3.85	98	2.60	1.18	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	0.27	F1
PS-612	6	1.4	70	3.82	97	0.94	24	2.00	51	2.20	56	0.60	0.27	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	4.5	225	2.76	70	1.86	47	3.94	100	4.25	108	1.80	0.82	F1
PS-650L	6	5.0	250	2.64	67	2.64	67	3.94	100	4.64	118	2.00	0.91	F1 or SP
PS-665	6	6.5	325	3.86	98	2.20	56	3.78	96	4.02	102	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	98	2.20	56	4.65	118	4.72	120	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	12.0	600	4.25	108	2.80	71	5.55	141	5.55	141	4.95	2.25	FP
PS-6120 Toy	6	13.0	650	4.25	108	2.80	71	5.55	141	5.55	141	5.30	2.41	TH or TS
PS-6200	6	20.0	1000	6.18	157	3.27	83	4.92	125	4.92	125	7.54	3.43	NB
PS-6360	6	36.0	1800	6.25	159	3.35	85	6.50	165	6.93	176	13.70	6.23	F2 or NB
PS-6580	6	58.0	2900	7.28	185	4.41	112	8.07	205	8.07	205	21.00	9.55	F2
PS-62000	6	210.0	10500	12.05	306	6.65	169	8.65	220	8.96	228	63.93	29.00	B
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	2.44	62	N/A	N/A	0.77	0.35	WL
PS-1212	12	1.4	70	3.78	96	1.69	43	2.04	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-1221	12	2.0	100	5.63	143	0.94	24	2.56	65	2.56	65	1.32	0.60	PC
PS-1221S	12	2.0	100	5.91	150	0.80	20	3.52	89	N/A	N/A	1.50	0.68	F1/0
PS-1223	12	2.3	115	7.17	182	0.94	24	2.40	61	2.40	61	1.68	0.76	PC
PS-1227	12	2.9	145	3.11	79	2.20	56	3.90	99	4.13	105	2.43	1.10	F1
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	7.00	178	1.38	35	2.36	60	2.60	66	2.60	1.18	F1
PS-1230	12	3.4	170	5.24	133	2.64	67	2.36	60	2.60	66	2.90	1.32	F1
PS-1238	12	3.8	190	7.68	195	1.85	47	2.76	70	2.91	74	3.75	1.70	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	140	1.89	48	4.02	102	4.06	103	4.18	1.90	FP
PS-1270	12	7.0	350	5.95	151	2.56	65	3.70	94	3.86	98	5.72	2.60	F1 or F2
PS-1272	12	7.2	360	5.95	151	2.56	65	3.70	94	3.86	98	5.80	2.64	F1 or F2
PS-1282	12	9.0	450	3.86	98	4.40	112	4.65	118	4.65	118	6.90	3.14	F1
PS-1290	12	9.0	450	5.95	151	2.56	65	3.70	94	3.86	98	6.10	2.77	F2
PS-12100	12	12.0	600	5.95	151	4.00	102	3.70	94	3.86	98	8.80	4.00	F1 or 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-12120L	12	12.0	600	8.45	215	2.75	70	5.75	146	5.75	146	9.90	4.50	FP
PS-12180	12	18.0	900	7.13	181	3.00	76	6.59	167	6.59	167	12.60	5.73	F2 or NB
PS-12260	12	26.0	1300	6.56	167	6.97	177	4.92	125	4.92	125	18.04	8.20	F2 or NB
PS-12280	12	28.0	1400	6.50	165	4.92	125	6.97	177	6.97	177	21.34	9.70	NB
PS-12350	12	35.0	1750	7.80	198	5.20	132	6.22	158	7.07	180	25.08	11.40	NB
PS-12400	12	40.0	2000	7.76	197	6.50	165	6.69	170	6.69	170	30.50	13.86	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	68.64	31.20	U
PS-121100	12	110.0	5500	13.00	330	6.73	171	8.35	212	8.66	220	70.40	32.00	T11
PS-121400FR	12	140.0	7000	13.50	343	6.73	171	10.80	274	11.15	283	102.08	46.40	T11

* FR: UL94 V-0 flame retardant case & cover

PSH-SERIES: High-Rate Discharge 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.	
PSH-655FR	6	5.5	275	2.76	70	1.85	47	3.94	100	4.17	106	2.10	0.95	F1
PSH-1255FR	12	6.0	300	3.54	90	2.76	70	3.98	101	4.21	107	4.19	1.90	F2
PSH-1280FR	12	8.5	425	5.94	151	2.56	65	3.70	94	3.86	98	6.00	2.73	F2
PSH-12100FR	12	10.5	550	5.94	151	2.56	65	4.37	111	4.61	117	7.05	3.20	F2
PSH-12180FR	12	21.0	1050	7.14	181	3.03	77	6.59	167	6.59	167	13.20	6.00	NB

PSG-SERIES: Hawker Monobloc Replacement Batteries

PSG-450	4	5.0	250	3.54	90	1.94	49	2.87	73	2.87	73	1.55	0.70	F2
PSG-480	4	8.0	400	3.54	90	1.94	49	4.00	102	4.00	102	2.15	0.98	F2
PSG-625	6	2.5	125	4.15	105	1.63	41	2.70	69	2.70	69	1.25	0.57	F1
PSG-650	6	5.0	250	5.28	134	1.94	49	3.00	76	3.00	76	2.15	0.98	F2
PSG-680	6	8.0	400	5.28	134	1.94	49	3.98	101	3.98	101	3.20	1.45	F2

PG-SERIES: Power-Guard Long Life Batteries

Model	Nominal Voltage (V)	Rated Capacity (A.H.)			Length		Width		Height		Ht. Over Terminal		Weight		Standard Terminals
		10-hr.	5-hr.	1-hr.	in.	mm	in.	mm	in.	mm	in.	mm	lbs.	kgs.	
PG-6V210FR	6	210.0	180.5	126.0	12.70	322	7.00	178	8.98	228	9.21	234	69.0	31.3	T8
PG-12V28FR	12	28.0	25.0	18.3	6.96	177	6.56	167	4.92	125	4.92	125	18.9	8.4	T12
PG-12V35FR	12	35.0	31.0	25.0	7.80	198	5.20	132	6.22	158	7.07	180	25.0	11.4	T6
PG-12V42FR	12	42.0	36.0	25.2	7.76	197	6.50	165	6.69	170	6.69	170	32.5	14.7	T6
PG-12V55FR	12	56.0	47.5	33.0	8.98	226	5.39	137	8.27	210	8.50	216	39.5	21.3	T6
PG-12V65FR	12	65.0	56.0	39.0	13.70	348	6.57	167	7.00	178	7.00	178	47.0	21.3	T6
PG-12V75FR	12	75.0	64.5	45.0	13.70	348	6.57	167	7.00	178	7.00	178	55.1	25.0	T6
PG-12V75TFR	12	75.0	64.5	45.0	10.24	260	6.61	168	8.27	210	8.51	216	55.1	25.0	T6
PG-12V92FR	12	92.0	79.0	55.2	12.05	306	6.61	168	8.27	210	8.51	216	60.3	27.4	T6
PG-12V103FR	12	103.0	88.5	61.8	12.99	330	6.81	173	8.35	212	8.66	220	69.0	31.3	T11
PG-12V120FR	12	124.0	106.5	74.4	16.14	410	6.97	177	8.86	225	8.86	225	81.5	37.0	T11
PG-12V140FR	12	144.0	120.4	84.0	13.50	344	6.73	171	10.79	274	11.02	280	98.4	44.6	T11
PG-12V150FR	12	153.0	131.5	91.8	19.09	485	6.69	170	9.53	242	9.53	242	103.5	47.0	T11
PG-12V200FR	12	210.0	180.5	126.0	20.55	522	9.45	240	8.58	218	8.82	224	142.0	64.4	T11

* FR: UL94 V-0 flame retardant case & cover

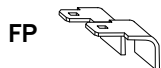
Terminal Options



F1 **FASTON**
0.187" x 0.032"
quick disconnect tabs.



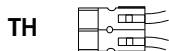
F2 **FASTON**
0.250" x 0.032"
quick disconnect tabs



FP **FASTON POLARIZED**
Positive: "F2", Negative: "F1"



SP **SPRING TERMINALS**
Fully collapsible positive and negative contacts



TH **TOY BATTERY CONNECTORS**
H-connector PS-6120 TH



TS **TOY BATTERY CONNECTORS**
S-connector PS-6120 TS

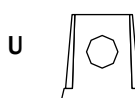
WL INSULATED WIRE LEADS

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

PC PRESSURE CONTACTS

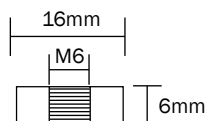


NB **TERMINAL POSTS**
With nut & bolt connectors

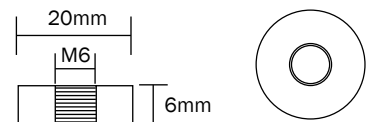


U **UNIVERSAL AUTO POST**
Automotive post with nut & bolt connectors

B, T6 THREADED INSERT - 6mm STUD



T8 THREADED INSERT - 6mm STUD



T11 THREADED INSERT - 8mm STUD



T12 THREADED INSERT - 5mm STUD



SLA CHARGERS: Automatic Switch-Mode and Float Chargers



“A-C” Series:

Automatic chargers are new “switching” type devices which operate without the use of transformers. I.C.’s control and regulate current and voltage and automatically switch from the higher fast charge voltage to the lower float voltage when batteries are very close to being fully charged. At the float voltage it is safe to leave the battery connected to the charger indefinitely, making charging pretty much fool-proof.

This type of charger is ideal for cyclic applications where recharge time is critical and timely charge termination cannot be counted on. This type of charger ensures optimum battery performance & service life.

“F” Series:

Float chargers are designed to provide optimum life for batteries used in standby applications where charging is continuous. The chargers deliver a constant voltage of 2.25 to 2.30 volts per cell which allow the battery to seek its own current level and maintain itself in a fully charged condition. This series is best suited for burglar and fire alarm equipment, emergency lighting, memory protection, or UPS systems where the battery serves as back-up power to the AC source.

Model	Output Voltage		Output Current mA	Type Automatic	Length		Width		Height		Weight		Charger Design
	nominal	range			in.	mm	in.	mm	in.	mm	lbs.	grams	
PSC-6250F	6	6.75-6.90	300	fixed volt. float	2.20	56	1.96	50	1.88	48	0.5	227	Plug-in
PSC-6300A-C	6	6.75-7.35	300	dual rate	2.05	52	1.57	40	2.64	67	0.21	95	Plug-in
PSC-6500A-C	6	6.75-7.35	500	dual rate	2.05	52	1.57	40	2.64	67	0.21	95	Plug-in
PSC-61000A-C	6	6.75-7.35	1000	dual rate	2.24	57	1.73	44	3.23	82	0.3	136	Plug-in
PSC-64000A-C	6	6.75-7.35	4000	dual rate	5.43	138	2.83	72	1.65	42	0.9	408	Desk Top
PSC-12250F	12	13.50-13.80	250	fixed volt. float	2.20	56	1.96	50	1.88	48	0.5	227	Plug-in
PSC-12300A-C	12	13.50-14.70	300	dual rate	2.05	52	1.57	40	2.64	67	0.21	95	Plug-in
PSC-12500F	12	13.50-13.80	500	fixed volt. float	2.55	65	1.88	48	2.98	76	0.8	363	Plug-in
PSC-12500A-C	12	13.50-14.70	500	dual rate	2.24	57	1.73	44	3.23	82	0.3	136	Plug-in
PSC-12800A-C	12	13.50-14.70	800	dual rate	2.24	57	1.73	44	3.23	82	0.3	136	Plug-in
PSC-122000A-C	12	13.50-14.70	1800	dual rate	5.43	138	2.83	72	1.65	42	0.9	408	Desk Top
PSC-124000A-C	12	13.50-14.70	4000	dual rate	5.43	138	2.83	72	1.65	42	0.9	408	Desk Top
PSC-1210000A-C*	12	13.50-14.70	10000	dual rate	8.80	224	5.17	131	3.33	85	4.3	1950	Desk Top
PSC-241000A-C	24	27.00-29.40	1000	dual rate	5.43	138	2.83	72	1.65	42	0.9	408	Desk Top

* Please note the PSC-1210000A-C is only available for use with input voltages of 90-132V 60 Hz. This charger is ideally suited for batteries from 40-100AH. The charger may also be used for charging batteries from 100-140AH, but the charging time will be increased.



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