Sealed Lead-Acid Batteries

FEATURES

Sealed/Maintenance-Free
The valve regulated, spill-proof construction employing AGM technology allows trouble-free, safe operation in any position. There is no need to add electrolyte, as gases generated during over-charge are recombined in a unique "oxygen cycle."

Easy Handling
No special handling precautions or shipping containers – surface or air – are required due to leak-proof construction.

Economical
The high watt-hour per dollar value is made possible by the materials used in a sealed lead-acid battery: they are readily available and low in cost.

Long Service Life
Under normal operating conditions, four or five years of dependable service life can be expected in stand-by applications, or between 200 and 1000 charge/ discharge cycles depending on the average depth of discharge.

Design Flexibility
Batteries may be used in series and/or parallel to obtain choice of voltage and capacity. Due to recent design breakthroughs, the same battery may be used in either cyclic or standby applications. Over 40 models are available to choose from.

Rugged Construction
The high impact resistant battery case is made of non-conductive ABS plastic. Large capacity batteries frequently have polypropylene cases. All of these materials impart great resistance to shock, vibration, chemicals and heat.

Compact
Power-Sonic batteries use state-of-the-art design, high grade materials, and a carefully controlled plate-making process to provide excellent output per cell. The high energy density results in superior power/volume and power/weight ratios.

High Discharge Rate
Low internal resistance allows discharge currents of up to ten times the rated capacity of the battery. Relatively small batteries may thus be specified in applications requiring high peak currents.

Long Shelf Life
A low self-discharge rate permits storage of fully charged batteries for up to a year at room temperature before charging is required. Lower storage temperatures enhance shelf life characteristics even further.

Wide Operating Temperature Range
Power-Sonic batteries may be discharged over a temperature range of -40°C to +60°C (-40°F to +140°F) and charged at temperatures ranging from -20°C to +50°C (-4°F to +122°F).

Deep Discharge Recovery
Special separators, advanced plate composition, and a carefully balanced electrolyte system have greatly improved the ability of recovering from excessively deep discharge.

SPECIFICATIONS — 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
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
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
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
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	14.09	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

UPS High Rate Series

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
PSH-1280	12	8.5	37 Watts/Cell*	5.95	151	2.56	65	3.70	94	3.86	98	6.00	2.72	F1 or F2
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
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

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

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

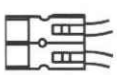
PSG-450	4	5.0	250	3.54	90	1.94	49	2.87	73	2.87	73	1.70	0.77	F2
PSG-480	4	8.0	400	3.54	90	1.94	49	4.00	102	4.00	102	2.50	1.14	F2
PSG-625	6	2.5	125	4.15	105	1.63	41	2.70	69	2.70	69	1.50	0.68	F1
PSG-650	6	5.0	250	5.28	134	1.94	49	3.00	76	3.00	76	2.50	1.14	F2
PSG-680	6	8.0	400	5.28	134	1.94	49	3.99	101	3.99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

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"

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 on 6120 TS 
- H-connector on 6120 TH 

SP Spring terminals for positive and negative contacts.

PC Pressure contacts

NB Terminal posts with nut & bolt connector

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

B Threaded copper insert terminals