

# PS SERIES

## RECHARGEABLE SEALED LEAD ACID BATTERIES



Fire & Security



General Purpose



Emergency Lighting



Medical

Power Sonic's PS series of sealed lead acid batteries have been designed with AGM (Absorbent Glass Mat) technology to ensure superior performance and reliability.

They have been engineered specifically for use in general purpose float and light cyclic applications including security and fire protection systems, emergency lighting, UPS, toys and medical devices.

**POWER PS SONIC**  
TRUSTED BATTERY SOLUTIONS

[power-sonic.com](http://power-sonic.com)



## PS SERIES

Rechargeable Sealed Lead Acid Batteries

### FEATURES

- General purpose VRLA battery
- Absorbent Glass Mat (AGM) technology for superior performance
- Power and volume ratio yielding unrivalled energy density
- VdS approved models
- Valve regulated, maintenance free spill proof construction
- Rugged impact resistant ABS case and cover flame retardant to UL94:HB and UL94:V0
- Low discharge rate for long shelf life



### SPECIFICATIONS

Model	Nominal Voltage	Design Life in float service 68°F (20°C)	Rated Capacity (AH)				Approx. Dimensions: inch (mm)								Approx. Weight		Terminal Type
			20-hr	10-hr	5-hr	1-hr	Length		Width		Height		Total Height		lbs.	kgs.	
							1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	inch	mm	inch	mm			
PS-260	2	5	6.0	5.4	4.9	3.6	1.97	50	1.34	34	3.94	100	4.13	105	0.89	0.4	F1
PS-435ST	4	5	3.5	3.3	2.9	2.1	3.54	90	1.34	34	2.32	59	2.56	65	0.99	0.45	F1
PS-445	4	5	4.5	4.2	3.8	2.7	1.89	48	2.09	53	3.70	94	3.86	98	1.3	0.59	F2
PS-490	4	10 - 12	8.0	7.9	7.7	6.1	4.02	102	1.73	44	3.74	95	3.98	101	2.2	1	F2
PS-4100	4	5	10.0	9.3	8.5	6.2	4.01	102	1.97	50	3.70	94	3.85	98	2.5	1.13	F1
PS-610	6	5	1.0	0.9	0.8	0.6	2.00	51	1.65	42	2.00	51	2.20	56	0.55	0.25	F1
PS-612	6	5	1.2	1.1	1.0	0.7	3.82	97	0.94	24	2.00	51	2.20	56	0.64	0.29	F1
PS-612ST	6	5	1.2	1.1	1.0	0.7	3.82	97	0.94	24	2.00	51	2.20	56	0.64	0.29	F1
PS-621	6	5	2.0	1.9	1.7	1.2	1.69	43	1.46	37	2.99	76	2.99	76	0.75	0.34	F1
PS-628	6	5	2.9	2.6	2.5	1.8	2.60	66	1.30	33	3.86	98	4.06	103	1.3	0.59	F1
PS-630	6	5	3.5	3.3	3.0	2.2	5.28	134	1.34	34	2.35	60	2.56	65	1.37	0.62	F1
PS-630ST	6	5	3.5	3.3	3.0	2.2	5.28	134	1.34	34	2.35	60	2.56	65	1.37	0.62	F1
PS-632	6	5	3.5	3.3	3.0	2.2	2.60	66	1.30	33	4.65	118	4.80	122	1.57	0.71	F1
PS-640	6	5	4.5	4.1	3.3	2.8	2.76	70	1.86	47	3.94	100	4.25	108	1.79	0.81	F1
PS-650LF & LS	6	5	5.0	4.3	4.0	3.0	2.64	67	2.64	67	3.94	100	4.64	118	1.8	0.82	F1/SP
PS-665	6	5	6.5	6.1	5.5	4.0	3.86	98	2.20	56	3.78	96	4.02	102	2.7	1.22	FP
PS-670	6	5	7.0	6.3	6.0	4.3	5.95	151	1.34	34	3.70	94	3.94	100	2.42	1.1	F1
PS-682	6	5	8.5	7.9	7.3	5.3	3.86	98	2.20	56	4.65	118	4.72	120	3.35	1.52	F1
PS-6100	6	5	12.0	11.5	10.5	7.3	5.95	151	2.00	51	3.70	94	3.86	98	4.3	1.95	F1/F2
PS-6120	6	10 - 12	11.0	10.9	10.6	7.9	5.95	151	2.00	51	3.70	94	3.94	100	4.3	1.95	F1
PS-6120 FR	6	10 - 12	11.0	10.9	10.6	7.9	5.95	151	2.00	51	3.70	94	3.94	100	4.3	1.95	F1
PS-6120FP	6	5	13.0	12.2	11.1	8.0	4.25	108	2.80	71	5.55	141	5.55	141	4.8	2.18	FP
PS-6200	6	5	20.0	18.6	17.0	12.4	6.18	157	3.27	83	4.92	125	4.92	125	7.1	3.22	NB1

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Rechargeable Sealed Lead Acid Batteries  
(continued)

### SPECIFICATIONS (continued)

Model	Nominal Voltage	Design Life in float service 68°F (20°C)	Rated Capacity (AH)				Approx. Dimensions: inch (mm)								Approx. Weight		Terminal Type
			20-hr	10-hr	5-hr	1-hr	Length		Width		Height		Total Height		lbs.	kgs.	
							1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	inch	mm	inch	mm			
PS-6360	6	5	36.0	33.5	30.6	22.3	6.25	159	3.35	85	6.50	165	6.93	176	12.1	5.49	F2/NB1
PS-6580	6	5	58.0	56.0	50.0	35.0	7.28	185	4.41	112	8.07	205	8.07	205	19.5	8.8	F2
PS-62000	6	5	210.0	200.0	180.0	134.0	12.05	306	6.65	169	8.65	220	8.96	228	63.9	29	T8
PS-832	8	5	3.2	3.0	2.7	2.0	5.29	134	1.44	36.5	2.49	63	2.70	69	1.65	0.75	F1
PS-1208JST FR	12	5	0.8	0.7	0.7	0.5	3.78	96	0.98	25	2.44	62	2.44	62	0.77	0.35	JST
PS-1208WL	12	5	0.8	0.7	0.7	0.5	3.78	96	0.98	25	2.44	62	2.44	62	0.77	0.35	WL
PS-1212	12	5	1.4	1.3	1.2	0.8	3.78	96	1.69	43	2.04	52	2.28	58	1.2	0.54	F1
PS-1221SL	12	5	2.0	1.9	1.7	1.2	5.91	150	0.80	20	3.52	89	3.52	89	1.5	0.68	F1/0
PS-1223	12	5	2.3	2.3	2.0	1.4	7.17	182	0.94	24	2.40	61	2.40	61	1.7	0.77	PC
PS-1220	12	5	2.5	2.2	2.0	1.5	7.00	178	1.38	35	2.36	60	2.56	65	2.1	0.95	F1
PS-1228	12	5	2.8	2.5	2.4	1.7	5.24	133	1.30	33	3.82	97	4.09	104	2.6	1.18	F1
PS-1227	12	5	2.9	2.6	2.5	1.8	3.11	79	2.20	56	3.90	99	4.13	105	2.4	1.09	F1
PS-1229L	12	5	2.9	2.7	2.5	1.8	7.00	178	1.38	35	2.36	60	2.60	66	2.3	1.04	F1
PS-1230	12	5	3.4	3.3	2.9	2.2	5.24	133	2.64	67	2.36	60	2.60	66	2.9	1.32	F1
PS-1238	12	5	3.8	3.5	3.2	2.4	7.68	195	1.85	47	2.91	74	2.99	76	3.5	1.59	F1
PS-1242	12	5	4.5	4.2	3.8	2.7	3.54	90	2.76	70	3.98	101	4.21	107	3.26	1.48	F1
PS-1250	12	5	5.0	4.6	4.2	2.9	3.54	90	2.76	70	3.98	101	4.21	107	3.0	1.39	F1/F2
PS-1270	12	5	7.0	6.5	6.0	4.5	5.94	151	2.56	65	3.70	94	3.86	98	4.8	2.18	F1/F2
PS-1280	12	5	8.0	7.2	6.7	4.9	5.94	151	2.56	65	3.72	94.5	3.90	99	5.6	2.54	F1/F2
PS-1282L	12	5	9.0	8.1	7.7	5.6	7.72	196	2.20	56	4.65	118	4.65	118	6.9	3.13	F1
PS-1282SH	12	5	9.0	8.1	7.7	5.6	3.86	98	4.40	112	4.65	118	4.65	118	6.90	3.13	F1
PS-1290	12	5	9.0	8.1	7.2	5.4	5.94	151	2.56	65	3.70	94	3.86	98	6.00	2.72	F2/NB1
PS-12100H	12	5	10.5	10.0	9.4	6.8	5.94	151	2.56	65	4.40	112	4.67	118	7.23	3.28	F2
PS-12100	12	5	12.0	11.5	10.0	9.0	5.94	151	4.00	102	3.70	94	3.86	98	8.14	3.69	F1/F2
PS-12120L	12	5	12.0	11.9	11.1	8.0	8.52	216	2.75	70	5.75	146	5.75	146	8.80	3.99	FP
PS-12120	12	5	12.0	11.4	10.2	8.8	5.94	151	3.86	98	3.66	93	3.86	98	8.10	3.68	F2/NB1
PS-12140	12	5	14.0	13.0	12.5	8.5	5.94	151	3.86	98	3.70	94	3.94	100	9.25	4.2	F2
PS-12180	12	5	18.0	17.1	15.3	11.5	7.13	181	3.00	76	6.57	167	6.57	167	12.32	5.6	F2/NB2/T12
PS-12180 FR	12	5	18.0	17.1	15.3	11.5	7.13	181	3.00	76	6.57	167	6.57	167	12.32	5.6	F2/NB2/T12
PS-12200	12	5	20.0	19.0	17.0	13.1	7.13	181	3.00	76	6.57	167	6.57	167	13.09	5.95	T12
PS-12260	12	5	26.0	24.7	22.1	15.8	6.56	167	6.97	177	4.92	125	4.92	125	17.50	8.0	F2/NB2/T12
PS-12280	12	5	28.0	26.0	23.8	17.6	6.50	165	4.92	125	6.89	175	6.89	175	20.95	9.5	NB1
PS-12330	12	5	33.0	30.0	26.2	19.1	7.72	196	5.14	131	6.22	158	7.00	176	23.00	10.5	NB3
PS-12350	12	5	35.0	33.0	28.1	20.7	7.68	195	5.12	130	6.46	164	7.01	178	23.15	10.5	NB3/T6
PS-12400	12	5	40.0	38.0	33.5	24.0	7.76	197	6.50	165	6.69	170	6.69	170	29.10	13.2	NB4
PS-12550	12	5	55.0	52.3	46.7	36.2	8.90	226	5.31	135	8.15	207	9.02	229	37.62	17.0	T6/U

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### Rechargeable Sealed Lead Acid Batteries (continued)

#### SPECIFICATIONS (continued)

Model	Nominal Voltage	Design Life in float service 68°F (20°C) Years	Rated Capacity (AH)				Approx. Dimensions: inch (mm)								Approx. Weight		Terminal Type
			20-hr	10-hr	5-hr	1-hr	Length		Width		Height		Total Height		lbs.	kgs.	
			1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	inch	mm	inch	mm	inch	mm	inch	mm			
PS-12750	12	10 - 12	78.6	75.0	63.8	45.0	10.25	260	6.69	170	7.95	202	8.74	222	53.24	24.2	T6/U
PS-121000	12	10 - 12	100.0	95.2	83.0	57.9	12.05	306	6.61	168	8.19	208	9.06	230	67.50	30.6	T6/U
PS-121000 FR	12	10 - 12	100.0	95.2	83.0	57.9	12.05	306	6.61	168	8.19	208	9.06	230	67.50	30.6	T6/U
PS-121100	12	10 - 12	107.0	100.0	94.5	78.0	13.00	330	6.81	173	8.35	212	8.66	220	70.56	32.0	T11
PS-122500	12	5	260.0	250.0	215.4	152.5	20.55	522	10.55	268	8.66	220	8.90	226	161.00	73	T11



A number of our PS range of batteries are VdS approved. VdS is one of the world's leading inspection and certification companies in the fire protection and security industry. They set international standards with the publication of a comprehensive set of rules and guidelines for fire protection and safety equipment. VdS is one of the only testing institutes certifying sealed lead acid batteries, our VdS approved batteries are indispensable for the reliability of many security and fire systems. The VdS quality seal certifies that our batteries are of optimum quality for use in fire, security and life safety applications.

#### SPECIFICATIONS (VdS Approved)

Model	Nominal Voltage	Design Life in float service 68°F (20°C) Years	Rated Capacity (AH)				Approx. Dimensions: inch (mm)								Approx. Weight		Terminal Type
			20-hr	10-hr	5-hr	1-hr	Length		Width		Height		Total Height		lbs.	kgs.	
			1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	inch	mm	inch	mm	inch	mm	inch	mm			
PS-6100VdS	6	10 - 12	10.0	9.3	8.5	6.3	5.94	151	2.01	51	3.70	94	3.94	100	4.30	1.95	F1
PS-1212VdS	12	5	1.2	1.1	1.0	0.7	3.82	97	1.69	43	2.05	52	2.28	58	1.26	0.57	F1
PS-1221VdS	12	5	2.1	1.9	1.7	1.2	7.01	178	1.38	35	2.36	60	2.60	66	2.12	0.96	F1
PS-1230VdS	12	5	3.4	3.2	2.9	2.1	5.28	134	2.64	67	2.38	60.5	2.62	66.5	2.98	1.35	F1
PS-1270VdS	12	5	7.0	6.5	5.8	4.3	5.94	151	2.56	65	3.70	94	3.94	100	4.81	2.18	F1/F2
PS-12120VdS	12	5	12.0	11.2	10.2	7.5	5.94	151	3.86	98	3.74	95	3.98	101	7.72	3.5	F1
PS-12170VdS	12	10 - 12	17.0	16.0	14.2	9.8	7.15	181.5	3.03	77	6.59	167.5	6.59	167.5	12.57	5.7	T12
PS-12260VdS	12	10 - 12	26.0	24.2	22.1	16.3	6.56	166.5	6.89	175	4.65	118	4.92	125	17.20	7.8	T12
PS-12380VdS	12	10 - 12	38.0	36.1	31.1	22.0	7.76	197	6.50	165	6.69	170	6.69	170	29.10	13.2	T6
PS-12450VdS	12	10 - 12	45.0	42.0	36.6	26.0	7.76	197	6.50	165	6.69	170	6.69	170	32.00	14.5	T6
PS-12650VdS	12	10 - 12	65.0	61.8	53.0	37.7	13.70	348	6.57	167	7.01	178	7.01	178	46.30	21	T6

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