

# 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.

The PS series has been explicitly engineered for general-purpose standby and light cyclic applications, including security and fire protection systems, emergency lighting, UPS, toys, and medical devices.



# PS SERIES

Rechargeable Sealed Lead Acid Batteries



## FEATURES

- General purpose VRLA battery
- Absorbent Glass Mat (AGM) technology for superior performance
- Power to 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 self-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 Years	1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	Length inch mm	Width inch mm	Height inch mm	Total Height inch mm	lbs.	kgs.			
<b>PS-260</b>	2	3-5	6.0	5.4	4.9	3.6	1.97	50	1.34	34	3.94	100	4.13	105	0.89	0.40
<b>PS-435ST</b>	4	3-5	3.5	3.3	2.9	2.1	3.54	90	1.34	34	2.32	59	2.56	65	0.99	0.45
<b>PS-445</b>	4	3-5	4.5	4.2	3.8	2.7	1.89	48	2.09	53	3.70	94	3.86	98	1.30	0.59
<b>PS-490</b>	4	10-12	8.0	7.9	7.7	6.1	4.02	102	1.73	44	3.74	95	3.98	101	2.20	1.00
<b>PS-4100</b>	4	3-5	10.0	9.3	8.5	6.2	4.01	102	1.97	50	3.70	94	3.85	98	2.50	1.13
<b>PS-610</b>	6	3-5	1.0	0.9	0.8	0.6	2.00	51	1.65	42	2.00	51	2.20	56	0.55	0.25
<b>PS-612</b>	6	3-5	1.2	1.1	1.0	0.7	3.82	97	0.94	24	2.00	51	2.20	56	0.64	0.29
<b>PS-612ST</b>	6	3-5	1.2	1.1	1.0	0.7	3.82	97	0.94	24	2.00	51	2.20	56	0.64	0.29
<b>PS-621</b>	6	3-5	2.0	1.9	1.7	1.2	1.69	43	1.46	37	2.99	76	2.99	76	0.75	0.34
<b>PS-628</b>	6	3-5	2.9	2.6	2.5	1.8	2.60	66	1.30	33	3.86	98	4.06	103	1.30	0.59
<b>PS-630ST</b>	6	3-5	3.5	3.3	3.0	2.2	5.28	134	1.34	34	2.35	60	2.56	65	1.37	0.62
<b>PS-632</b>	6	3-5	3.5	3.3	3.0	2.2	2.60	66	1.30	33	4.65	118	4.80	122	1.57	0.71
<b>PS-630</b>	6	3-5	3.5	3.3	3.0	2.2	5.28	134	1.34	34	2.35	60	2.56	65	1.37	0.62
<b>PS-640</b>	6	3-5	4.5	4.1	3.3	2.8	2.76	70	1.86	47	3.94	100	4.17	106	1.79	0.81
<b>PS-650LS</b>	6	3-5	5.0	4.3	4.0	3.0	2.64	67	2.64	67	3.94	100	4.64	118	1.80	0.82
<b>PS-650LF</b>	6	3-5	5.0	4.3	4.0	3.0	2.64	67	2.64	67	3.94	100	4.64	118	1.80	0.82
<b>PS-660H</b>	6	3-5	6.0	5.5	5.1	3.7	2.76	70	1.85	47	3.94	100	4.17	106	1.98	0.90
<b>PS-665</b>	6	3-5	6.5	6.1	5.5	4.0	3.86	98	2.20	56	3.78	96	4.02	102	2.70	1.22
<b>PS-670</b>	6	3-5	7.0	6.3	6.0	4.3	5.95	151	1.34	34	3.70	94	3.94	100	2.42	1.10
<b>PS-682</b>	6	3-5	8.5	7.9	7.3	5.3	3.86	98	2.20	56	4.65	118	4.72	120	3.35	1.52
<b>PS-6120</b>	6	3-5	11.0	10.9	10.6	7.9	5.95	151	2.00	51	3.70	94	3.94	100	4.30	1.95
<b>PS-6100</b>	6	3-5	12.0	11.5	10.5	7.3	5.95	151	2.00	51	3.70	94	3.86	98	4.30	1.95
<b>PS-6200</b>	6	3-5	20.0	18.6	17.0	12.4	6.18	157	3.27	83	4.92	125	4.92	125	7.10	3.22
<b>PS-6360</b>	6	3-5	36.0	33.5	30.6	22.3	6.25	159	3.35	85	6.50	165	6.93	176	12.10	5.49

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### FURTHER INFORMATION

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# PS SERIES

Rechargeable Sealed Lead Acid Batteries



NCP Certificatie  
HET CERTIFICATIE-INSTITUUT VOOR VEILIGHEID EN BEVEILIGING



## 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:VO
- Low self-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		
			Years	1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	inch	mm	inch	mm	inch	mm	inch	mm		
<b>PS-6580</b>	6	3-5	58.0	56.0	50.0	35.0	7.28	185	4.41	112	8.07	205	8.07	205	19.50	8.80	F2
<b>PS-62000</b>	6	3-5	210.0	200.0	180.0	134.0	12.05	306	6.65	169	8.65	220	8.96	228	63.90	29.00	M6
<b>PS-832</b>	8	3-5	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
<b>PS-1208</b>	12	3-5	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;JST VHR2N
<b>PS-1212</b>	12	3-5	1.4	1.3	1.2	0.8	3.78	96	1.69	43	2.04	52	2.28	58	1.20	0.54	F1
<b>PS-1221S</b>	12	3-5	2.0	1.9	1.7	1.2	5.91	150	0.80	20	3.52	89	3.52	89	1.50	0.68	F1
<b>PS-1221</b>	12	3-5	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
<b>PS-1223</b>	12	3-5	2.3	2.3	2.0	1.4	7.17	182	0.94	24	2.40	61	2.40	61	1.70	0.77	PC
<b>PS-1220</b>	12	3-5	2.5	2.2	2.0	1.5	7.00	178	1.38	35	2.36	60	2.56	65	2.43	0.96	F1
<b>PS-1228</b>	12	3-5	2.8	2.5	2.4	1.7	5.24	133	1.30	33	3.82	97	4.09	104	2.60	1.18	F1
<b>PS-1229L</b>	12	3-5	2.9	2.7	2.5	1.8	7.00	178	1.38	35	2.36	60	2.60	66	2.30	1.04	F1
<b>PS-1227</b>	12	3-5	2.9	2.6	2.5	1.8	3.11	79	2.20	56	3.90	99	4.13	105	2.40	1.09	F1
<b>PS-1230</b>	12	3-5	3.4	3.3	2.9	2.2	5.24	133	2.64	67	2.36	60	2.60	66	2.90	1.32	F1
<b>PS-1238</b>	12	3-5	3.8	3.5	3.2	2.4	7.68	195	1.85	47	2.91	74	2.99	76	3.50	1.59	F1
<b>PS-1240</b>	12	3-5	4.0	3.7	3.4	2.3	3.54	90	2.76	70	3.98	101	4.21	107	2.78	1.26	F1
<b>PS-1242</b>	12	3-5	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
<b>PS-1250</b>	12	3-5	5.0	4.5	3.8	2.9	3.54	90	2.76	70	3.98	101	4.21	107	3.50	1.59	F1;F2
<b>PS-1251</b>	12	3-5	5.0	4.7	4.3	3.3	5.50	140	1.90	48	4.00	102	4.06	103	4.10	1.86	FP
<b>PS-1265</b>	12	3-5	6.5	6.1	5.7	4.2	5.94	151	2.55	65	3.93	100	3.93	100	4.18	1.90	F1
<b>PS-1270</b>	12	3-5	7.0	6.5	6.0	4.5	5.94	151	2.56	65	3.70	94	3.86	98	4.80	2.18	F1;F2
<b>PS-1280</b>	12	3-5	8.0	7.2	6.7	4.9	5.94	151	2.56	65	3.72	94.5	3.90	99	5.60	2.54	F1;F2
<b>PS-1285</b>	12	3-5	8.4	7.8	7.0	5.1	5.95	151	2.56	65	3.68	93.5	3.92	99.5	5.27	2.39	F2
<b>PS-1290</b>	12	3-5	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;F1
<b>PS-1282S F1</b>	12	3-5	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

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## PS SERIES

### 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		
			1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	inch	mm	inch	mm	inch	mm	inch	mm	lbs.	kgs.	
<b>PS-1282L F1</b>	12	3-5	9.0	8.1	7.7	5.6	7.72	196	2.20	56	4.65	118	4.65	118	6.90	3.13	F1
<b>PS-12100H</b>	12	3-5	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
<b>PS-12120</b>	12	3-5	12.0	11.4	10.2	8.8	5.94	151	3.86	98	3.66	93	3.86	98	8.10	3.68	F1;F2;NB1
<b>PS-12120S</b>	12	10-12	12.0	11.4	10.2	8.8	5.94	151	3.86	98	3.66	93	3.86	98	8.10	3.68	F1
<b>PS-12100</b>	12	3-5	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
<b>PS-12120L</b>	12	3-5	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
<b>PS-12140</b>	12	3-5	14.0	13.0	12.5	8.5	5.94	151	3.86	98	3.70	94	3.94	100	9.25	4.20	F2
<b>PS-12170</b>	12	3-5	17.0	16.0	14.2	9.8	7.15	182	3.03	77	6.59	167.5	6.59	167.5	12.57	5.70	M5
<b>PS-12180</b>	12	3-5	18.0	17.1	15.3	11.5	7.13	181	3.00	76	6.57	167	6.57	167	12.32	5.60	F2;NB2;M5
<b>PS-12180S</b>	12	10-12	18.0	17.0	16.0	11.1	7.13	181	3.00	76	6.59	167	6.59	167	12.60	5.72	M5
<b>PS-12200</b>	12	10-12	20.0	19.0	17.0	13.1	7.13	181	3.00	76	6.57	167	6.57	167	13.09	5.95	NB2;M5
<b>PS-12260H</b>	12	10-12	24.0	22.3	20.4	15.1	6.46	164	4.92	125	6.85	174	6.85	174	18.60	8.45	M5
<b>PS-12260</b>	12	3-5	26.0	24.7	22.1	15.8	6.56	167	6.97	177	4.92	125	4.92	125	17.50	8.00	F2;NB2;M5
<b>PS-12280</b>	12	3-5	28.0	26.0	23.8	17.6	6.50	165	4.92	125	6.89	175	6.89	175	20.95	9.50	NB2;M6;F2
<b>PS-12330</b>	12	3-5	33.0	30.0	26.2	19.1	7.72	196	5.14	131	6.22	158	7.00	176	23.00	10.50	NB3;M6;F2
<b>PS-12350</b>	12	3-5	35.0	33.0	28.1	20.7	7.68	195	5.12	130	6.46	164	7.01	178	23.15	10.50	NB3;M6
<b>PS-12360</b>	12	3-5	36.0	34.0	31.8	22.4	6.34	161	3.43	87	6.65	169	6.65	169	23.15	10.50	F2
<b>PS-12380</b>	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	13.20	M6
<b>PS-12400</b>	12	10-12	40.0	38.0	33.5	24.0	7.76	197	6.50	165	6.69	170	6.69	170	29.10	13.20	NB4;M6
<b>PS-12450</b>	12	3-5	45.0	42.0	36.6	26.0	7.76	197	6.50	165	6.69	170	6.69	170	32.00	14.50	M6
<b>PS-12550</b>	12	3-5	55.0	52.3	46.7	36.2	8.90	226	5.31	135	8.15	207	9.02	229	37.62	17.00	M6;U
<b>PS-12600</b>	12	10-12	60.0	55.0	50.0	35.0	9.94	252	6.60	168	10.25	260	8.20	208	58.00	26.40	U
<b>PS-12650</b>	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	21.00	M6
<b>PS-12750</b>	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	24.20	M6;U
<b>PS-121000</b>	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	30.60	M6;U
<b>PS-12850</b>	12	10-12	100.0	95.2	83.0	57.9	12.01	305	6.61	168	8.15	207	9.01	229	69.50	31.50	M6
<b>PS-121100</b>	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	32.00	M8
<b>PS-121150</b>	12	3-5	115.6	110	96.5	68.2	11.06	281	10.51	267	8.15	207	8.27	210	72.8	33.0	POST
<b>PS-121200</b>	12	10-12	124.8	120.0	103.2	73.2	16.14	410	6.97	177	8.86	225	8.86	225	77.20	35.00	M8
<b>PS-121400</b>	12	10-12	140.0	135.0	120.0	84.0	13.50	343	6.73	171	10.80	274	11.15	283	99.00	44.91	M8
<b>PS-121500</b>	12	10-12	156.0	150.0	129.0	91.5	19.10	485	6.69	170	9.45	240	9.45	240	93.70	42.50	M8
<b>PS-122000</b>	12	10-12	214.0	200.0	175.4	129.2	20.55	522	9.45	240	8.58	218	8.82	224	138.00	62.50	M8
<b>PS-122500</b>	12	3-5	260.0	250.0	215.4	152.5	20.55	522	10.55	268	8.66	220	8.90	226	161.00	73.00	M8

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Rechargeable Sealed Lead Acid Batteries  
VdS



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		
			1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	inch	mm	inch	mm	inch	mm	inch	mm	lbs.	kgs.	
<b>PS-1212 FR</b>	12	3-5	1.4	1.3	1.2	0.8	3.78	96	1.69	43	2.04	52	2.28	58	1.20	0.54	F1
<b>PS-1221</b>	12	3-5	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
<b>PS-1221 FR</b>	12	3-5	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
<b>PS-1230 FR</b>	12	3-5	3.4	3.3	2.9	2.2	5.24	133	2.64	67	2.36	60	2.60	66	2.90	1.32	F1
<b>PS-1270 FR</b>	12	3-5	7.0	6.5	6.0	4.5	5.94	151	2.56	65	3.70	94	3.86	98	4.80	2.18	F1;F2
<b>PS-12120 FR</b>	12	3-5	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;F1
<b>PS-12120</b>	12	3-5	12.0	11.4	10.2	8.8	5.94	151	3.86	98	3.66	93	3.86	98	8.10	3.68	F1;F2;NB1
<b>PS-12170 FR</b>	12	3-5	17.0	16.0	14.2	9.8	7.15	182	3.03	77	6.59	167.5	6.59	167.5	12.57	5.70	M5
<b>PS-12170</b>	12	3-5	17.0	16.0	14.2	9.8	7.15	182	3.03	77	6.59	167.5	6.59	167.5	12.57	5.70	M5
<b>PS-12260 FR</b>	12	3-5	26.0	24.7	22.1	15.8	6.56	167	6.97	177	4.92	125	4.92	125	17.50	8.00	M5
<b>PS-12380 FR</b>	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	13.20	M6
<b>PS-12450</b>	12	3-5	45.0	42.0	36.6	26.0	7.76	197	6.50	165	6.69	170	6.69	170	32.00	14.50	M6
<b>PS-12650 FR</b>	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	21.00	M6
<b>PS-121150</b>	12	3-5	115.6	110	96.5	68.2	11.06	281	10.51	267	8.15	207	8.27	210	72.8	33.0	POST

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### FURTHER INFORMATION

Please refer to our website [www.power-sonic.com](http://www.power-sonic.com) for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.



## PS SERIES

Rechargeable Sealed Lead Acid Batteries  
Flame Retardent

### UL94:V0

UL94:V0 is a standard established by Underwriters Laboratories (UL), which is a globally recognized independent safety certification company. This standard is used to evaluate the flammability of plastic materials used in various products and components.

UL94:V0 is a fire-protection standard that evaluates the ability of a plastic material to self-extinguish after being exposed to a small flame. The V0 designation indicates that the material has passed the most stringent requirements for vertical flame testing. The test involves applying a small flame to a vertically mounted specimen of the material for a specified time, then removing the flame and monitoring the material for additional burning or dripping.

### SPECIFICATIONS (UL94:V0-Fire Protection Approved)

Model	Nominal Voltage	Design Life in float service 68°F (20°C)	Rated Capacity (AH)				Approx. Dimensions: inch (mm)						Approx. Weight		Terminal Type		
			Years	1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	inch	mm	inch	mm	inch	mm	inch	mm		
<b>PS-612 FR</b>	6	3-5	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
<b>PS-630ST FR</b>	6	3-5	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
<b>PS-640 FR</b>	6	3-5	4.5	4.1	3.3	2.8	2.76	70	1.86	47	3.94	100	4.17	106	1.79	0.81	F1
<b>PS-670 FR</b>	6	3-5	7.0	6.3	6.0	4.3	5.95	151	1.34	34	3.70	94	3.94	100	2.42	1.10	F1
<b>PS-6120 FR</b>	6	3-5	11.0	10.9	10.6	7.9	5.95	151	2.00	51	3.70	94	3.94	100	4.30	1.95	FP
<b>PS-6100 FR</b>	6	3-5	12.0	11.5	10.5	7.3	5.95	151	2.00	51	3.70	94	3.86	98	4.30	1.95	F1
<b>PS-1208 FR</b>	12	3-5	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
<b>PS-1242 FR</b>	12	3-5	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
<b>PS-1272 FR</b>	12	3-5	7.2	7.0	6.5	4.6	5.95	151	2.56	65	3.70	94	3.86	98	5.80	2.63	F2
<b>PS-1275 FR</b>	12	3-5	7.5	7.1	6.5	4.9	5.95	151	2.56	65	3.70	94	3.92	99.5	5.03	2.28	F2
<b>PS-12100H FR</b>	12	3-5	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
<b>PS-12180 FR</b>	12	3-5	18.0	17.1	15.3	11.5	7.13	181	3.00	76	6.57	167	6.57	167	12.32	5.60	M5
<b>PS-12240 FR</b>	12	3-5	24.0	22.7	19.9	14.3	6.54	166	6.93	175	4.92	125	4.92	125	15.9	7.2	F2
<b>PS-12400 FR</b>	12	10-12	40.0	38.0	33.5	24.0	7.76	197	6.50	165	6.69	170	6.69	170	29.10	13.20	M6
<b>PS-12450 FR</b>	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	14.50	M6
<b>PS-12700 FR</b>	12	10-12	70.0	64.0	57.1	41.0	13.78	350	6.54	166	6.85	174	6.85	174	52.50	23.80	M6
<b>PS-12750 FR</b>	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	24.20	M6
<b>PS-121000 FR</b>	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	30.60	M6
<b>PS-121400 FR</b>	12	10-12	140.0	135.0	120.0	84.0	13.50	343	6.73	171	10.80	274	11.15	283	99.00	44.91	M8

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