

POWERSONIC
TRUSTED BATTERY SOLUTIONS

KEEPING YOU IN CHARGE



**WITH RELIABLE AND
INNOVATIVE BATTERY
SOLUTIONS**

power-sonic.com

KEEPING YOU IN CHARGE

POWER-SONIC has been delivering quality, reliable, and safe battery solutions worldwide since 1970.

Our battery solutions are designed and manufactured using the latest state-of-the-art equipment and are subject to the most stringent quality control. This process is key to ensure both consistency and reliability with any product that carries the Power-Sonic name.

Our range of battery solutions includes valve-regulated lead acid (VRLA), often called sealed lead acid (SLA), lithium iron phosphate (LiFePO4) technologies, chargers, and related accessories.



KEY MARKET SECTORS



Industrial Automation



Powersports



Life Safety



Medical



Utilities and Infrastructure



EV Charging and Energy Storage

QUALITY APPROVED PRODUCTS AND MANUFACTURING PROCESSES



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.

POWER PS SONIC
TRUSTED BATTERY SOLUTIONS

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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	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	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	F1
PS-435ST	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	F1
PS-445	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	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	2.20	1.00	F2
PS-4100	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	F1
PS-610	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	F1
PS-612	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
PS-612ST	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
PS-621	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	F1
PS-628	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	F1
PS-630ST	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
PS-632	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	F1
PS-630	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
PS-640	6	3-5	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-650LS	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	SP
PS-650LF	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	F1
PS-660H	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	F2
PS-665	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	FP;F2
PS-670	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;F2
PS-682	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	F1
PS-6120	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
PS-6100	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;F2
PS-6200	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	NB2
PS-6360	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	F2;NB2

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

FURTHER INFORMATION

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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
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- Flame retardant to UL94:HB and UL94:V0
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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-6580	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
PS-62000	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
PS-832	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
PS-1208	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
PS-1212	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
PS-1221S	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
PS-1221	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
PS-1223	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
PS-1220	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
PS-1228	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
PS-1229L	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
PS-1227	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
PS-1230	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
PS-1238	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
PS-1240	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
PS-1242	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
PS-1250	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
PS-1251	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
PS-1265	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
PS-1270	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
PS-1280	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
PS-1285	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
PS-1290	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
PS-1282S F1	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

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
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T NL: + 31 33 7410 700
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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)	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.					
			Years	1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell	inch	mm	inch	mm	inch		mm	inch	mm	
PS-1282L	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
PS-12100H	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
PS-12120	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
PS-12120S	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
PS-12100	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
PS-12120L	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
PS-12140	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
PS-12170	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
PS-12180	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
PS-12180S	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
PS-12200	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
PS-12260H	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
PS-12260	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
PS-12280	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
PS-12330	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
PS-12350	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
PS-12360	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
PS-12380	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
PS-12400	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
PS-12450	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
PS-12550	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
PS-12600	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
PS-12650	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
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	24.20	M6;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	30.60	M6;U
PS-12850	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
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	32.00	M8
PS-121150	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
PS-121200	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
PS-121400	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
PS-121500	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
PS-122000	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
PS-122500	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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Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
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PS SERIES

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)	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
PS-1212 FR	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
PS-1212	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
PS-1221	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
PS-1221 FR	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
PS-1230 FR	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
PS-1230	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
PS-1270	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
PS-1270 FR	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
PS-12120 FR	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
PS-6100	6	10-12	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;F2
PS-12120	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
PS-12170 FR	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
PS-12170	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
PS-12260 FR	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
PS-12260	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
PS-12380 FR	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
PS-12380	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
PS-12450	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
PS-12650 FR	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
PS-12650	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
PS-121150	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

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

FURTHER INFORMATION

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PS SERIES

Rechargeable Sealed Lead Acid Batteries
Flame Retardant

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) 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-612 FR	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
PS-630ST FR	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
PS-640 FR	6	3-5	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-670 FR	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
PS-6120 FR	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
PS-6100 FR	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
PS-1208 FR	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
PS-1212 FR	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
PS-1242 FR	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
PS-1270 FR	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
PS-1272 FR	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
PS-1275 FR	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
PS-12100H FR	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
PS-12120 FR	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
PS-12180 FR	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
PS-12240 FR	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
PS-12260 FR	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
PS-12400 FR	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
PS-12450 FR	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
PS-12700 FR	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
PS-12750 FR	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
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	30.60	M6
PS-121400 FR	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

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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PG SERIES

LONG LIFE RECHARGEABLE SEALED LEAD ACID BATTERIES



Fire & Security



Telecomms



Emergency Lighting



Utility



Solar



Wind



UPS

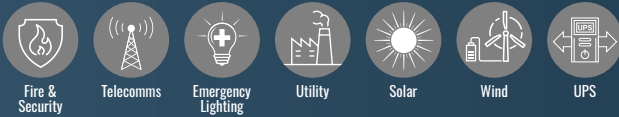
With a thicker plate design and high-purity lead, the Power-Sonic PG series provides a longer design life for critical standby power applications.

The PG series has been designed to offer superb high-rate discharge characteristics, ensuring reliable performance in many applications, including UPS, telecoms, and emergency lighting. In addition, the rugged impact-resistant battery is available with UL94:V0 flame retardant rating.

Power-Sonic's state-of-the-art manufacturing and process control and meticulous quality assurance procedures guarantee consistent and dependable performance.

POWER PS SONIC
TRUSTED BATTERY SOLUTIONS

power-sonic.com



PG SERIES

Long Life Rechargeable
Sealed Lead Acid Batteries

BATTERIES WITH:
UL94:HB CASE AND COVER

FEATURES

- Long service life VRLA battery
- High-rate discharge characteristics that ensures reliable performance in UPS and telecom applications
- Absorbent Glass Mat (AGM) technology for superior performance
- Lead-calcium alloy grids and high-purity lead account for superior shelf-life characteristics, permitting storage for extended periods.
- Thick plate design and efficient gas recombination that yield a design life expectancy of up to 12 years in standby.
- Proven valve regulated technology that guarantees safe operation without maintenance
- Rugged impact resistant ABS case and cover, available to UL94:V0 flame retardant



SPECIFICATIONS – UL94:HB CASE AND COVER

Model	Nominal Voltage	Rated Capacity (AH)				Approx. Dimensions: inch (mm)								Approx. Weight		Terminal Type
		20-hr 1.80V/cell	10-hr 1.80V/cell	5-hr 1.75V/cell	1-hr 1.60V/cell	Length		Width		Height		Total Height		lbs.	kgs.	
PG-12V6	12	5.4	5.1	4.7	3.7	3.54	90	2.76	70	3.98	101	4.21	107	3.96	1.80	F2
PG-12V7.6	12	7.8	7.3	6.5	4.7	5.94	151	2.56	65	3.70	94	3.94	100	5.51	2.50	F1;F2
PG-12V9	12	8.8	8.3	7.6	6.0	5.95	151	2.56	65	3.68	93.5	3.92	99.5	5.56	2.50	F2
PG-12V12	12	12.0	11.6	10.7	7.9	5.95	151	3.86	98	3.74	95	3.98	101	8.49	3.80	F2
PG-12V14	12	14.0	13.2	12.5	9.2	5.95	151	3.86	98	3.74	95	3.98	101	8.33	3.78	F2
PG-12V21	12	20.0	18.9	17.2	13.1	7.14	181	3.01	76.5	6.59	167.5	6.59	167.5	13.20	6.00	M5
PG-12V28H	12	28.0	26.3	23.8	18.7	6.46	164	4.92	125	6.89	175	6.89	175	20.10	9.10	M5
PG-12V28	12	28.0	26.3	23.9	18.2	6.54	166	6.93	175	4.92	125	4.92	125	18.50	8.40	M5
PG-12V30	12	28.0	26.3	23.9	18.2	6.54	166	6.89	175	4.92	125	4.92	125	18.50	8.40	M5
PG-12V35	12	35.0	33.1	30.1	27.1	7.68	195	5.12	130	6.46	164	6.57	178	23.60	10.70	M6
PG-12V40	12	41.6	40.0	31.5	24.4	10.04	255	3.82	97	7.99	203	7.99	203	28.67	13.00	M6
PG-12V45	12	42.0	40.0	35.0	25.7	7.76	197	6.50	165	6.69	170	6.69	170	31.97	14.50	M6
PG-12V55	12	59.0	55.0	51.0	35.8	9.02	229	5.43	138	8.27	210	9.06	230	39.03	17.70	M6

*Continued on next page

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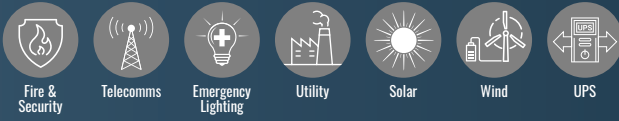
Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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PG SERIES

Long Life Rechargeable
Sealed Lead Acid Batteries

BATTERIES WITH:
UL94:HB CASE AND COVER

FEATURES

- Long service life VRLA battery
- High-rate discharge characteristics that ensures reliable performance in UPS and telecom applications
- Absorbent Glass Mat (AGM) technology for superior performance
- Lead-calcium alloy grids and high-purity lead account for superior shelf-life characteristics, permitting storage for extended periods.
- Thick plate design and efficient gas recombination that yield a design life expectancy of up to 12 years in standby
- Proven valve regulated technology that guarantees safe operation without maintenance
- Rugged impact resistant ABS case and cover, available to UL94:V0 flame retardant



SPECIFICATIONS – UL94:HB CASE AND COVER

Model	Nominal Voltage	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	lbs.	kgs.	
PG-12V65	12	63.6	60.0	55.0	38.6	10.24	260	6.61	168	8.27	210	8.50	216	45.64	20.70	M6
PG-12V75	12	75.0	70.0	64.0	49.6	13.70	348	6.57	167	7.01	178	7.01	178	52.25	23.70	M6
PG-12V75T	12	78.0	75.0	67.5	47.3	10.20	259	6.61	168	8.19	208	8.43	214	50.05	22.70	M6
PG-12V80	12	78.0	75.0	67.5	47.3	10.20	259	6.61	168	8.19	208	8.43	214	50.05	22.70	M6
PG-12V100	12	98.8	95.0	85.5	60.0	12.00	306	6.61	168	8.19	208	8.43	214	67.50	30.60	M6
PG-12V110	12	113.0	110.0	98.0	68.7	12.99	330	6.81	173	8.35	212	8.66	220	78.80	31.20	M8
PG-12V130	12	126.0	120.0	104.5	71.9	16.10	408	6.97	177	8.86	225	8.86	225	80.00	36.30	M8
PG-12V140	12	147.0	140.0	122.2	85.1	13.60	345	6.77	172	10.79	274	11.02	280	100.30	45.50	M8
PG-12V160	12	152.2	145.0	128.0	92.8	19.00	483	6.69	170	9.39	238.5	9.39	238.5	101.90	46.20	M8
PG-12V150	12	166.0	153.0	131.5	91.8	19.10	485	6.70	170	9.53	242	8.82	224	103.00	46.70	M8
PG-12V220	12	210.0	200.0	169.5	116.2	20.60	522	9.45	240	8.58	218	8.81	224	137.30	62.30	M8
PG-12V250	12	262.0	250.0	212.0	148.6	20.60	522	10.60	268	8.66	220	8.90	226	168.70	76.50	M8

GLOBAL HEADQUARTERS
(USA AND INTERNATIONAL EXCLUDING EMEA)
Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA
(EMEA – EUROPE, MIDDLE EAST AND AFRICA)
Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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PG SERIES

Long Life Rechargeable Sealed Lead Acid Batteries



**BATTERIES WITH:
UL94:VO FLAME RETARDANT
CASE AND COVER (FR)**

SPECIFICATIONS – UL94:VO FLAME RETARDANT CASE AND COVER

Model	Nominal Voltage	Rated Capacity (AH)				Length		Approx. Dimensions: inch (mm)				Total Height		Approx. Weight		Terminal Type
		20-hr 1.80V/cell	10-hr 1.80V/cell	5-hr 1.75V/cell	1-hr 1.60V/cell	inch	mm	inch	mm	inch	mm	inch	mm	lbs.	kgs.	
PG-12V9 FR	12	8.0	8.3	7.6	6.0	5.95	151	2.56	65	3.68	93.5	3.92	99.5	5.56	2.50	F2
PG-12V14 FR	12	14.0	13.2	12.5	9.2	5.95	151	3.86	98	3.74	95	3.98	101	8.33	3.78	F2
PG-12V21 FR	12	20.0	18.9	17.2	13.1	7.14	181	3.01	76.5	6.59	167.5	6.59	167.5	13.20	6.00	M5
PG-12V28 FR	12	28.0	26.3	23.9	18.2	6.54	166	6.93	175	4.92	125	4.92	125	18.50	8.40	M5
PG-12V35 FR	12	35.0	33.1	30.1	27.1	7.68	195	5.12	130	6.46	164	6.57	178	23.60	10.70	M6
PG-12V45 FR	12	42.0	40.0	35.0	25.7	7.76	197	6.50	165	6.69	170	6.69	170	31.97	14.50	M6
PG-12V42 FR	12	45.0	42.0	36.0	25.2	7.76	197	6.50	165	6.69	170	6.14	156	32.00	14.50	M6
PG-12V55S FR	12	59.0	55.0	51.0	35.8	9.02	229	5.43	138	8.27	210	9.06	230	39.03	17.70	M6
PG-12V55 FR	12	59.0	55.0	51.0	35.8	9.02	229	5.43	138	8.27	210	9.06	230	39.03	17.70	M6
PG-12V65 FR	12	63.6	60.0	55.0	38.6	10.24	260	6.61	168	8.27	210	8.50	216	45.64	20.70	M6
PG-12V75 FR	12	75.0	70.0	64.0	49.6	13.70	348	6.57	167	7.01	178	7.01	178	52.25	23.70	M6
PG-12V75T FR	12	78.0	75.0	67.5	47.3	10.20	259	6.61	168	8.19	208	8.43	214	50.05	22.70	M6
PG-12V100 FR	12	98.8	95.0	85.5	60.0	12.00	306	6.61	168	8.19	208	8.43	214	67.50	30.60	M6
PG-12V103 FR	12	111.0	103.0	88.5	61.8	13.00	330	6.80	173	8.35	212	8.66	220	70.00	31.80	M8
PG-12V110 FR	12	113.0	110.0	98.0	68.7	12.99	330	6.81	173	8.35	212	8.66	220	78.80	31.20	M8
PG-12V130 FR	12	126.0	120.0	104.5	71.9	16.10	408	6.97	177	8.86	225	8.86	225	80.00	36.30	M8
PG-12V140 FR	12	147.0	140.0	122.2	85.1	13.60	345	6.77	172	10.79	274	11.02	280	100.30	45.50	M8
PG-12V160 FR	12	152.2	145.0	128.0	92.8	19.00	483	6.69	170	9.39	238.5	9.39	238.5	101.90	46.20	M8
PG-6V210 FR	6	208.0	200.0	172.0	122.0	12.05	322	7.01	178	8.90	226	9.13	232	66.80	30.30	M8
PG-12V220 FR	12	210.0	200.0	169.5	116.2	20.60	522	9.45	240	8.58	218	8.81	224	137.30	62.30	M8
PG-6V200-E FR	6	216.0	200.0	175.8	124.4	15.31	389	6.73	171	9.37	238	9.37	238	80.50	36.50	M8
PG-12V200 FR	12	226.0	210.0	180.5	126.0	20.55	522	9.45	240	8.58	218	8.82	224	144.00	65.30	M8
PG-4V300-E FR	4	324.0	300.0	263.7	186.6	15.31	389	6.73	171	9.37	238	9.37	238	80.90	36.70	M8

* Manufactured in Europe - Unique case size

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
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PHR SERIES

HIGH-RATE RECHARGEABLE SEALED LEAD ACID BATTERIES



UPS



Data Center

Power-Sonic's high-rate PHR series provides constant power backup that UPS systems and critical backup applications require.

The PHR series has been designed and developed specifically for high-rate discharge applications to ensure constant, dependable power when used as battery backup or as part of a UPS system.

Power Sonic's cutting-edge manufacturing and process control and meticulous quality assurance procedures guarantee consistent and dependable performance.

POWERPS SONIC
TRUSTED BATTERY SOLUTIONS

power-sonic.com



PHR SERIES

High-Rate Rechargeable
Sealed Lead Acid Batteries

FEATURES

- High-rate VRLA battery
- Specifically designed for high-rate UPS and critical power backup applications
- Valve regulated with maintenance free spill proof construction
- Precision plate pasting for higher consistency with 100% load testing to ensure uniform capacity
- Lead-calcium alloy grids and high purity lead account for superior shelf-life characteristics
- Patented dual-paste process for enhanced active material bonding and computer guided volumetric electrolyte control for precision filling
- Rugged impact resistant ABS case and cover flame retardant to UL94:V0
- High rate of charge and discharge



SPECIFICATIONS

Model	Nominal Voltage	Watts per cell 15-min	Rated Capacity (AH)		Length		Approx. Dimensions: inch (mm)			Total Height		Approx. Weight		Terminal Type	
			20-hr 1.80V/cell	10-hr 1.80V/cell	inch	mm	Width	Height	inch	mm	inch	mm	lbs.		kgs.
PHR-1236 FR	12	36	8.5	8.0	5.95	151	2.56	65	3.68	93.5	3.90	99	5.30	2.40	F2
PHR-1255 FR	12	24	14.0	13.0	5.94	151	3.86	98	3.74	95	3.98	101	8.82	3.90	F2
PHR-1290 FR	12	90	21.2	20.0	7.14	181	2.99	76	6.56	167	6.56	167	14.00	6.35	M6
PHR-12100 FR	12	93	27.0	26.6	6.46	164	4.92	125	6.89	175	6.89	175	20.90	9.48	M5
PHR-12150 FR	12	150	36.0	35.0	7.68	195	5.12	130	6.46	164	6.57	167	22.50	10.20	M6
PHR-12230-E FR*	12	231	57.8	55.0	8.50	215	6.80	173	8.70	220	8.70	220	48.50	22.00	M6
PHR-12200 FR	12	225	58.0	55.0	9.02	229	5.43	138	7.87	200	7.99	203	38.10	17.30	M6
PHR-12285-E FR*	12	287	78.8	75.0	12.00	305	6.80	173	8.70	220	8.70	220	53.20	25.00	M6
PHR-12300 FR	12	324	82.0	80.0	10.20	259	6.61	168	8.19	208	8.31	211	52.50	23.80	M6
PHR-12340-E FR*	12	338	94.6	90.0	12.00	305	6.80	173	8.70	220	8.70	220	70.60	32.00	M6

* Manufactured in Europe - Unique case size

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

FURTHER INFORMATION

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PHR SERIES

High-Rate Rechargeable Sealed Lead Acid Batteries

FEATURES

- High-rate VRLA battery
- Specifically designed for high-rate UPS and critical power backup applications
- Valve regulated with maintenance free spill proof construction
- Precision plate pasting for higher consistency with 100% load testing to ensure uniform capacity
- Lead-calcium alloy grids and high purity lead account for superior shelf-life characteristics
- Patented dual-paste process for enhanced active material bonding and computer guided volumetric electrolyte control for precision filling
- Rugged impact resistant ABS case and cover flame retardant to UL94:V0
- High rate of charge and discharge



SPECIFICATIONS

Model	Nominal Voltage	Watts per cell 15-min	Rated Capacity (AH)		Length		Approx. Dimensions: inch (mm)				Approx. Weight		Terminal Type		
			20-hr 1.80V/cell	10-hr 1.80V/cell	inch	mm	Width	Height	Total Height	lbs.	kgs.				
PHR-12350 FR	12	370	95.0	92.5	12.00	305	6.61	168	8.15	207	8.27	210	60.40	27.40	M6
PHR-12380-E FR*	12	383	105.0	100.0	13.40	340	6.80	173	8.70	220	8.70	220	78.00	35.50	M6
PHR-12400-E FR*	12	430	105.0	100.0	13.40	340	6.80	173	8.70	220	8.70	220	78.00	35.50	M6
PHR-12400	12	430	110.0	107.0	12.83	326	6.69	170	8.39	213	216	69.20	31.40	M6	M6
PHR-12400 FR	12	430	110.0	107.0	12.81	326	6.69	170	8.39	213	8.50	216	69.20	31.40	M6
PHR-12530-E FR*	12	531	147.0	140.0	13.40	340	6.80	173	10.90	278	10.90	278	100.00	45.50	M6
PHR-12500 FR	12	492	150.0	143.0	13.19	335	6.77	172	10.83	275	10.94	278	92.60	42.00	M6
PHR-12550 FR	12	539	155.0	143.0	13.19	335	6.77	172	10.83	275	10.94	278	93.50	42.40	M6
PHR-12550 FR	12	539	155.0	143.0	13.19	335	6.77	172	10.83	275	10.94	278	93.50	42.40	M6

* Manufactured in Europe - Unique case size

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitzpol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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PDC SERIES

DEEP CYCLE RECHARGEABLE SEALED LEAD ACID BATTERIES



Medical



Solar



Wind



Mobility



Golf Carts

The Power-Sonic PDC series of deep cycle AGM batteries provide enhanced performance and excellent reliability in long-duration cycling applications.

The oversized negative plates and specialized paste formulation ensures constant power for longer periods without shortening the battery's life. Purpose-built for applications that require regular and consistent cycling (charge and discharge), the PDC series offer an exceptionally long cycle life compared to general-purpose AGM batteries making them ideal for mobility, medical, golf, and renewable energy applications.

Power-Sonic's cutting-edge manufacturing and process control and meticulous quality assurance procedures guarantee consistent and dependable performance.

POWERPS SONIC
TRUSTED BATTERY SOLUTIONS

power-sonic.com



PDC SERIES

Deep Cycle Rechargeable
Sealed Lead Acid Batteries



FEATURES

- Deep cycle AGM battery
- Absorbent Glass Mat (AGM) technology for superior performance
- Specialized paste formulation for longer life deep cycle performance
- Special additives to ensure excellent performance in deep discharge situations
- Power to volume ratio yielding unrivalled energy density
- Proven valve regulated technology that guarantees safe operation without maintenance
- Rugged impact resistant ABS case and cover

SPECIFICATIONS

Model	Nominal Voltage	Rated Capacity (AH)				Length		Approx. Dimensions: inch (mm)				Approx. Weight		Terminal Type		
		20-hr 1.80V/cell	10-hr 1.80V/cell	5-hr 1.75V/cell	1-hr 1.60V/cell	inch	mm	Width inch	mm	Height inch	mm	Total Height inch	mm		lbs.	kgs.
PDC-1275	12	7.5	7.2	6.3	4.7	5.94	151	2.56	65	3.72	94.5	3.94	100	5.50	2.50	F2
PDC-1285	12	8.5	8.0	7.0	5.2	5.94	151	2.56	65	3.72	94.5	3.94	100	6.10	2.75	F2
PDC-12140	12	14.0	13.0	11.4	8.4	5.96	151.5	3.92	100	3.82	97	3.98	101	9.50	4.30	F2
PDC-12200	12	21.0	20.0	17.5	12.9	7.14	182	3.03	77	6.44	164	6.56	167	15.00	6.90	M5
PDC-12260	12	27.8	26.0	22.8	16.8	6.54	166	6.89	175	4.92	125	4.92	125	20.60	9.35	NB2
PDC-12350	12	35.0	33.0	28.9	21.3	7.68	195	5.12	130	6.46	164	7.09	180	25.00	11.30	NB3
PDC-12400	12	40.0	38.0	33.3	24.5	7.76	197	6.50	165	6.69	170	6.69	170	32.00	14.50	M6
PDC-12480	12	48.0	45.0	38.7	27.5	7.76	197	6.50	165	6.69	170	6.69	170	32.00	14.50	M6
PDC-12600	12	60.0	55.0	48.2	35.5	9.04	230	5.45	138	8.27	210	9.06	230	39.00	17.70	M6;U
PDC-12800	12	80.0	75.0	65.8	48.5	10.24	260	6.61	168	8.27	210	9.06	230	50.00	22.70	M6;U
PDC-121000	12	100.0	92.0	79.0	58.1	12.05	306	6.61	168	8.27	210	8.50	216	61.00	27.50	M6;U
PDC-121050	12	105.0	95.0	84.0	61.8	12.01	305	6.61	168	8.27	210	9.02	229	65.27	29.60	M6
PDC-121250	12	125.0	120.0	103.0	74.0	12.99	330	6.81	173	8.35	212	8.66	220	69.20	31.40	M8
PDC-121300	12	128.6	120.0	95.4	77.5	16.06	408	6.97	177	8.86	225	8.86	225	82.20	37.30	M8
PDC-122000	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
PDC-122500	12	268.0	250.0	219.5	161.5	20.55	522	10.55	268	8.66	220	8.90	226	160.90	73.00	M8

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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PSL-BT SERIES

RECHARGEABLE LITHIUM IRON PHOSPHATE BATTERIES

LiFePO4 Bluetooth® Series



Medical



Solar



Wind



Mobility



Data Center



Transport



Sport & Recreation



Utility

Utilizing an intelligent BMS and Bluetooth® communication, the Power-Sonic Lithium Bluetooth® series allows you to monitor your battery status and recognize any potential issues.

The PSL Bluetooth® series is a drop-in replacement for lead acid batteries, with all the benefits of lithium technology combined with an intelligent battery management system (BMS). It delivers a 60% weight reduction and a superior cycle life. In addition, it utilizes LiFePO4 technology, a much safer solution than alternative lithium technologies.

At the heart of every Power Sonic lithium battery is an intelligent BMS that monitors and reacts to multiple voltage, current, and temperature events to maximize performance, battery life, and safety. Now with a free Bluetooth® app available, you can get instant access to the battery state of charge (SOC), voltage, cycles, and a complete log of any protection events.

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PSL-BT SERIES

Rechargeable Lithium Iron Phosphate Battery
PSL BT – LiFePO4 Bluetooth® Series

BMS FEATURES

- Balancing function for cells
- Over-current protection
- Over-charge protection
- Over-discharge protection
- Over-temperature protection
- Under-temperature
- Short-circuit protection



FEATURES

- Compact and only 40% of the weight of comparable lead acid batteries
- Up to 10 times more cycles than lead acid batteries
- Faster charging and lower self-discharge
- Delivers twice the power of lead acid batteries, even high discharge rate, while maintaining high energy density.
- Super safe chemistry, reducing the risk of explosion or combustion due to high impact, over-charging, or short circuit situation
- Rugged impact resistant ABS case and cover
- Flame retardant to UL94:V0
- Battery Management System (BMS) controls the parameters of the battery to provide optimum safety and performance
- Enhanced BMS design balances the battery cells and protects against overcharging and discharging
- Bluetooth® communication capability for battery status through Power-Sonic app

SPECIFICATIONS

Model	Series Connections	Parallel Connection	Nominal Voltage	Rated Capacity AH	Approx. Dimensions: inch (mm)						Approx. Weight		Terminal Type
					Length		Width		Height		lbs.	kgs.	
					inch	mm	inch	mm	inch	mm			
PSL-BTC-1290		4	12.8V	9Ah	5.94	151	2.55	65	3.74	95	2.64	1.2	F2
PSL-BTC-12120		4	12.8V	12Ah	5.94	151	3.87	98.5	3.74	95	3.52	1.6	F2
PSL-BTP-12200	✓	4	12.8V	20Ah	7.13	181	3.00	76	6.50	165	6.61	3	M6
PSL-BTP-12500		4	12.8V	50Ah	7.72	196	6.50	165	6.85	174	14.33	6.5	M8
PSL-BTP-12750	✓	4	12.8V	75Ah	10.24	260	6.62	168	8.39	213	21.60	9.8	M6
PSL-BTP-121000	✓	4	12.8V	100Ah	12.52	318	6.50	165	8.47	215	28.20	12.8	M8
PSL-BTP-121250		4	12.8V	125Ah	12.51	318	6.49	165	8.46	215	32.80	14.9	M8
PSL-BTP-121500	✓	4	12.8V	150Ah	19.09	485	6.70	170	9.45	240	44.53	20.2	M8
PSL-BTP-122000	✓	4	12.8V	200Ah	19.03	483.5	6.70	170	9.50	241	53.35	24.2	M8
PSL-BTP-123000	✓	4	12.8V	300Ah	20.48	520	10.55	268	8.72	221.6	83.11	37.7	M8
PSL-BTP-24500		4	25.6V	50Ah	12.52	318	6.50	165	8.47	215	27.11	12.3	M8
PSL-BTP-241000		4	25.6V	100Ah	19.03	483.5	6.69	170	9.49	241	54.60	24.8	M8

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Reno, Nevada 89523
USA
T: +1 619 661 2020
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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PSL-SC SERIES

RECHARGEABLE LITHIUM IRON PHOSPHATE BATTERIES

LiFePO4 Series Capable Lithium



Medical



Solar



Wind



Mobility



Data Center



Transport



Sport & Recreation



Utility

Combining proven lithium technology with an intelligent battery management system (BMS), the Power-Sonic PSL-SC series delivers a battery that lasts longer, weighs less, and charges faster than the equivalent lead acid battery.

At the heart of every Power-Sonic lithium battery is an intelligent BMS that monitors and reacts to multiple voltage, current, and temperature events to maximize performance, battery life, and safety.

With its advanced BMS design, the PSL-SC range can be connected in a series or parallel configuration of up to 6 batteries (model dependent) providing a solution for high voltage and high capacity applications.

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PSL-SC SERIES

Rechargeable Lithium Iron Phosphate Batteries
PSL-SC – LiFePO4 Series Connection Series

APPROVALS

- UL 1642 cell certificate
- IEC 62133 cell certificate
- UN 38.3 certified
- ISO9001:2015 - Quality management systems



INTELLIGENT BATTERY MANAGEMENT SYSTEM

The PSL-SC Series comes with an intelligent battery management system which monitors current, voltage, and temperature during charge and discharge. This protects the battery from damaging events.

The BMS has a smart balancing function that controls all cell voltages in the battery. This ensures the cells are constantly at the same voltage level, optimizing battery capacity.

BATTERY FEATURES

- Compact and only 40% of the weight of comparable lead acid batteries
- Up to 10 times more cycles than lead acid batteries
- Faster charging and lower self-discharge
- Delivers twice the power of lead acid batteries, even high discharge rate, while maintaining high energy density.
- Super safe chemistry, reducing the risk of explosion or combustion due to high impact, over-charging, or short circuit situation
- Rugged impact resistant ABS case and cover
- UL94 Flammability Rated
- Battery Management System (BMS) controls the parameters of the battery to provide optimum safety and performance
- Enhanced BMS design balances the battery cells and protects against overcharging and discharging

SPECIFICATIONS

Model	Series Connection	Parallel Connection*	Nominal Voltage	Rated Capacity AH	Approx. Dimensions: inch (mm)						Approx. Weight		Terminal Type
					Length		Width		Height		lbs.	kgs.	
					inch	mm	inch	mm	inch	mm			
PSL-SC-1270	4	4	12.8	7.2	5.94	151	2.55	65	3.74	95	2.00	0.90	F2
PSL-SC-1290	4	4	12.8	9	5.94	151	2.55	65	3.74	95	2.64	1.20	F2
PSL-SC-12100	4	4	12.8	10	5.94	151	3.90	98	4.00	101	2.90	1.30	F2
PSL-SC-12120	4	4	12.8	12	5.94	151	3.87	98.5	3.74	95	3.52	1.60	F2
PSL-SC-12200	4	4	12.8	20	7.13	181	3.00	76	6.50	165	6.61	3.00	M6;NB1
PSL-SC-12350-GU1	4	4	12.8	35	7.80	197	6.50	165	6.70	171	9.70	4.40	M8
PSL-SC-12500	4	4	12.8	50	7.72	196	6.50	165	6.85	174	14.33	6.50	M8
PSL-SC-12750-G24	4	4	12.8	75	10.24	260	6.62	168	8.39	213	21.60	9.80	M8
PSL-SC-12800-G27	4	4	12.8	80	12.10	307	6.60	168	8.70	221	22.30	10.10	M8
PSL-SC-121000-G27	4	4	12.8	100	12.01	307	6.61	168	8.70	221	28.20	12.80	M8
PSL-SC-121000-G31	4	4	12.8	100	12.52	318	6.50	165	8.47	215	28.20	12.80	M8
PSL-SC-121250-G31	4	4	12.8	125	12.51	318	6.49	165	8.46	215	32.80	14.90	M8
PSL-SC-121500-G8D	4	4	12.8	150	20.48	520	10.55	268	8.98	228	44.53	20.20	M8
PSL-SC-122000-G8D	4	4	12.8	200	20.48	520	10.55	268	8.98	228	53.35	24.20	M8
PSL-SC-122600-G8D	4	4	12.8	260	20.48	520	10.55	268	8.98	228	71.21	32.30	M8
PSL-SC-123000-G8D	4	4	12.8	300	20.48	520	10.55	268	8.98	228	83.11	37.70	M8

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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PSH SERIES

HIGH-RATE RECHARGEABLE SEALED LEAD ACID BATTERIES



UPS



Data Center



Telecomms



Fire & Security

Power-Sonic's PSH series of high-rate sealed lead acid batteries have been designed and engineered specifically for high-rate discharge UPS applications.

The high-rate battery series have been constructed to ensure constant, dependable power when used as a battery backup or an uninterruptible power supply system. Each 6V and 12V battery in our PSH series has a UL94:V0 flame retardant case and cover option. Power Sonic's cutting-edge manufacturing and process control and meticulous quality assurance procedures guarantee consistent and dependable performance.

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TRUSTED BATTERY SOLUTIONS

power-sonic.com



PSH SERIES

High-Rate Rechargeable Sealed Lead Acid Batteries

FEATURES

- High-rate VRLA battery
- Absorbent Glass Mat (AGM) technology for superior performance
- Designed specifically for high-rate discharge UPS applications
- Valve-regulated, spill-proof construction allows safe operation in any orientation (excluding continuous inverted use)
- Rugged impact resistant ABS case and cover flame retardant to UL94:V0
- High rate of charge and discharge
- Exceptionally high energy density



SPECIFICATIONS

Model	Nominal Voltage	Watts per cell	Rated Capacity (AH)		Approx. Dimensions: inch (mm)						Approx. Weight		Terminal Type		
			20-hr	10-hr	Length		Width		Height		Total Height	lbs.		kgs.	
					15-min	1.75V/cell	1.75V/cell	inch	mm	inch					mm
PSH-655	6	21	5.5	4.8	2.76	70	1.85	47	3.94	100	4.17	106	2.10	0.95	F1
PSH-1255	12	24	6.0	5.6	3.54	90	2.76	70	3.98	101	4.21	107	4.00	1.81	F2
PSH-12100	12	41	10.5	10.0	5.94	151	2.56	65	4.37	111	4.61	117	7.00	3.18	F2

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

Model	Nominal Voltage	Watts per cell	Rated Capacity (AH)		Approx. Dimensions: inch (mm)						Approx. Weight		Terminal Type		
			20-hr	10-hr	Length		Width		Height		Total Height	lbs.		kgs.	
					15-min	1.75V/cell	1.75V/cell	inch	mm	inch					mm
PSH-655 FR	6	21	5.5	4.8	2.76	70	1.85	47	3.94	100	4.17	106	2.10	0.95	F1
PSH-1228 FR	12	8	2.8	2.6	4.01	102	1.93	49	2.36	60	2.71	69	2.60	1.18	F2
PSH-1255 FR	12	24	6.0	5.6	3.54	90	2.76	70	3.98	101	4.21	107	4.00	1.81	F2
PSH-1280 FR	12	36	8.5	8.1	5.94	151	2.56	65	3.72	94.5	3.90	99	5.80	2.61	F2
PSH-12100 FR	12	41	10.5	10.0	5.94	151	2.56	65	4.37	111	4.61	117	7.00	3.18	F2
PSH-12180 FR	12	80	21.0	20.0	7.14	181	3.03	77	6.59	167	6.59	167	13.20	5.99	NB2

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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PG 2V SERIES

LONG LIFE RECHARGEABLE SEALED LEAD ACID BATTERIES



UPS



Telecomms



Emergency
Lighting



Utility



Solar



Wind

Utilizing a special grid alloy and high-purity raw materials Power-Sonic's PG 2V series ensures less venting and reduced self-discharge resulting in a highly dependable long-life battery.

With proven AGM technology and a thick plate design, the PG 2V series has been developed to provide a long service life in critical standby power applications, including telecommunications, network communications, and military power systems. Power Sonic's state-of-the-art manufacturing and process control combined with meticulous quality assurance procedures guarantee consistent and dependable performance.

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PG 2V SERIES

Long Life Rechargeable
Sealed Lead Acid Batteries

BATTERIES WITH:

UL94:HB CASE AND COVER

FEATURES

- High capacity and long service life VRLA battery
- Superb high-rate discharge characteristics ensure reliable performance in UPS and telecom applications
- Absorbent Glass Mat (AGM) technology for superior performance
- Wide capacity range ideal for large capacity off-grid systems
- Thick plate design and efficient gas recombination that yield a design life expectancy of up to 15 years
- Excellent recovery from over discharge situations
- Proven valve regulated technology that guarantees safe operation without maintenance
- Rugged impact resistant ABS case and cover, available to UL94:V0 flame retardant



SPECIFICATIONS

Model	Nominal Voltage	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			
PG-2V100	2	10.5	100.0	88.0	64.0	6.69	170	2.83	72	8.07	205	8.43	214	12.80	5.80	M6
PG-2V150	2	157.6	150.0	133.0	96.5	6.69	170	3.86	98	8.07	205	8.43	214	18.50	8.40	M6
PG-2V200	2	212.0	200.0	175.0	122.7	6.69	170	4.33	110	13.70	348	13.26	337	29.80	13.50	M8
PG-2V350	2	374.0	350.0	304.5	217.0	6.69	170	5.91	150	12.91	328	13.78	350	48.50	22.00	M8
PG-2V600	2	636.0	600.0	525.0	368.1	11.81	300	6.89	175	12.99	330	13.78	350	81.60	37.00	M8
PG-2V800	2	868.0	800.0	700.0	520.0	16.14	410	6.89	175	13.82	351	13.27	337	110.23	50.00	M8

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

FURTHER INFORMATION

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PG 2V SERIES

Long Life Rechargeable
Sealed Lead Acid Batteries

BATTERIES WITH:

**UL94:V0 FLAME RETARDANT
CASE AND COVER (FR)**

FEATURES

- High capacity and long service life VRLA battery
- Superb high-rate discharge characteristics ensure reliable performance in UPS and telecom applications
- Absorbent Glass Mat (AGM) technology for superior performance
- Wide capacity range ideal for large capacity off-grid systems
- Thick plate design and efficient gas recombination that yield a design life expectancy of up to 15 years
- Excellent recovery from over discharge situations
- Proven valve regulated technology that guarantees safe operation without maintenance
- Rugged impact resistant ABS case and cover, available to UL94:V0 flame retardant



SPECIFICATIONS

Model	Nominal Voltage	Rated Capacity (AH)				Length	Approx. Dimensions: inch (mm)						Approx. Weight	Terminal Type		
		20-hr	10-hr	5-hr	1-hr		Width		Height		Total Height					
		1.80V/cell	1.80V/cell	1.75V/cell	1.60V/cell		inch	mm	inch	mm	inch	mm			lbs.	kgs.
PG-2V100 FR	2	105.0	100	88	64	6.69	170	2.83	72	8.07	205	8.43	214	12.80	5.80	M6
PG-2V150 FR	2	157.6	150	133	96.5	6.69	170	3.86	98	8.07	205	8.43	214	18.50	8.40	M6
PG-2V250 FR	2	270.0	250	219	162.5	6.69	170	4.33	110	13.78	350	13.19	335	32.00	14.50	M8
PG-2V300 FR	2	318.0	300	262.5	184	6.69	170	5.91	150	12.91	328	13.78	348	41.40	18.80	M8
PG-2V400 FR	2	424.0	400	350	245.4	8.27	210	6.89	175	12.99	330	13.80	350	56.20	25.50	M8
PG-2V400-E FR*	2	432.0	400	351.6	248.8	15.31	389	6.73	171	9.37	238	9.37	238	64.40	29.20	M8
PG-2V500 FR	2	530.0	500	437.5	306.7	9.45	240	6.89	175	12.99	330	13.80	350	66.10	30.00	M8
PG-2V500-E FR*	2	540.0	500	439.5	311	15.31	389	6.73	171	9.37	238	9.37	238	73.00	33.10	M8
PG-2V600 FR	2	636.0	600	525	368.1	11.81	300	6.89	175	12.99	330	13.78	350	81.60	37.00	M8
PG-2V600-E FR*	2	648.0	600	527.4	373.2	15.31	389	6.73	171	9.37	238	9.37	238	82.30	37.30	M8
PG-2V1000 FR	2	1060.0	1000	875	613.5	18.70	475	6.89	175	12.91	328	13.80	350	132.30	60.00	M8
PG-2V1500 FR	2	1590.0	1500	1312.5	925.8	15.90	403	13.90	354	13.40	339	13.74	349	215.60	97.80	M8
PG-2V2000 FR	2	2120.0	2000	1650	1226.9	19.29	490	13.78	350	13.40	339	13.74	349	266.80	121.00	M8
PG-2V3000 FR	2	3180.0	3000	2625	1851.6	27.91	709	13.78	350	13.30	337	13.70	347	403.40	183.00	M8

* Manufactured in Europe - Unique case size

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

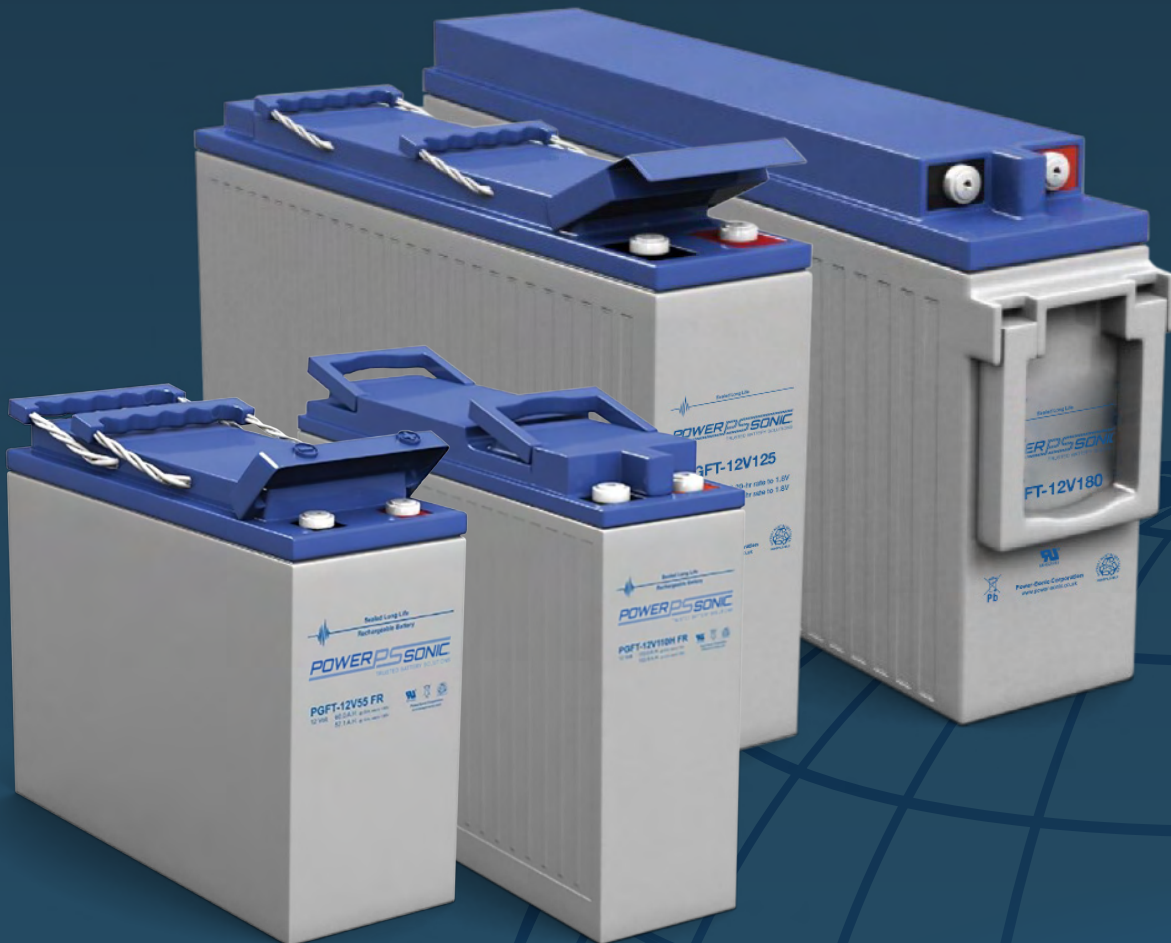
Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

FURTHER INFORMATION

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PGFT SERIES

FRONT TERMINAL RECHARGEABLE SEALED LEAD ACID BATTERIES



UPS



Data Center



Telecomms



Emergency Lighting



Utility

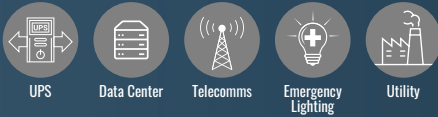
The Power-Sonic PGFT series combines the features the Power-Sonic PG series with easy-to-use front terminal connectors ensuring ease of installation and maintenance when installed in a battery cabinet.

Utilizing proven AGM technology and a thick plate design, the PGFT series has been designed to provide a long service life in critical standby power applications including telecoms, UPS, and military power systems.

Power-Sonic's state-of-the-art manufacturing and process control combined with meticulous quality assurance procedures guarantee consistent and dependable performance.

POWERPS SONIC
TRUSTED BATTERY SOLUTIONS

power-sonic.com



PGFT SERIES

Front Terminal Rechargeable
Sealed Lead Acid Batteries

FEATURES

- Long service life VRLA battery
- Superb high-rate discharge characteristics ensures reliable performance in UPS and telecom applications
- Absorbent Glass Mat (AGM) technology for superior performance
- Special grid alloy and the use of high purity lead account for superior shelf-life characteristics, permitting storage for extended periods of time
- Thick plate design and efficient gas recombination that yield a design life expectancy of up to 12 years
- Easy to use front terminal connectors and integrated carrying handles
- Proven valve regulated technology that guarantees safe operation without maintenance
- Rugged impact resistant ABS case and cover, available to UL94:V0 flame retardant



SPECIFICATIONS

Model	Nominal Voltage	Rated Capacity (AH)				Length		Approx. Dimensions: inch (mm)				Approx. Weight		Terminal Type		
		20-hr 1.80V/cell	10-hr 1.80V/cell	5-hr 1.75V/cell	1-hr 1.67V/cell	inch	mm	Width	Height	Total Height	lbs.	kgs.				
PGFT-12V55	12	60.6	57.1	51.9	38.1	10.91	277	4.17	106	8.74	222	8.74	222	39.70	18.00	M6
PGFT-12V105	12	106.0	100.0	87.0	63.7	20.00	508	4.33	110	8.85	225	9.38	238.5	70.60	32.00	M6
PGFT-12V110H	12	110.0	103.8	94.5	69.2	15.50	394	4.33	110	11.20	285	11.20	285	76.10	34.50	M6
PGFT-12V150	12	154.0	144.0	120.5	84.0	13.50	343	6.73	171	10.79	274	11.02	280	99.00	44.90	M6
PGFT-12V160	12	158.8	150.0	130.5	95.9	21.69	551	4.33	110	11.30	287	11.30	287	102.30	46.40	M6
PGFT-12V150HT	12	159.0	150.0	131.5	100.7	21.70	550	4.33	110	11.30	288	11.30	288	101.40	46.00	M6
PGFT-12V180	12	190.0	180.0	163.5	120.0	22.05	560	4.96	126	11.02	280	11.02	280	119.10	54.00	M6
PGFT-12V200	12	210.0	200.0	175.0	123.9	22.05	560	4.96	126	12.60	320	12.60	320	134.50	61.00	M8

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

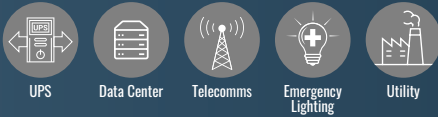
Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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PGFT SERIES

Front Terminal Rechargeable Sealed Lead Acid Batteries



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.

SPECIFICATIONS-UL94:V0

Model	Nominal Voltage	Rated Capacity (AH)				Approx. Dimensions: inch (mm)				Approx. Weight		Terminal Type				
		20-hr 1.80V/cell	10-hr 1.80V/cell	5-hr 1.75V/cell	1-hr 1.67V/cell	Length inch mm	Width inch mm	Height inch mm	Total Height inch mm	lbs.	kgs.					
PGFT-12V60-E FR*	12	64.8	60.0	52.7	37.3	15.50	395	4.10	105	10.40	255	10.40	255	48.90	22.20	M8
PGFT-12V75-E FR*	12	81.0	75.0	65.9	46.7	15.50	395	4.10	105	10.40	255	10.40	255	58.80	26.70	M8
PGFT-12V75 FR	12	82.6	77.9	70.5	51.9	22.20	564	4.49	114	7.36	187	7.36	187	57.30	26.00	M6
PGFT-12V80-E FR*	12	86.4	80.0	70.3	49.8	15.50	395	4.10	105	10.40	255	10.40	255	59.30	26.90	M8
PGFT-12V92-E FR*	12	99.4	92.0	80.9	57.2	15.50	395	4.10	105	11.00	280	11.00	280	64.60	29.30	M8
PGFT-12V105 FR	12	106.0	100.0	87.0	63.7	20.00	508	4.33	110	8.85	225	9.38	238.5	70.60	32.00	M6
PGFT-12V100-E FR*	12	108.0	100.0	87.9	62.2	15.70	398	4.33	110	11.20	286	11.20	286	72.50	32.90	M8
PGFT-12V110H FR	12	110.0	103.8	94.5	69.2	15.50	394	4.33	110	11.20	285	11.20	285	76.10	34.50	M6
PGFT-12V105-E FR*	12	113.4	105.0	92.3	65.3	20.00	510	4.33	110	9.30	235	9.30	235	76.00	34.50	M8
PGFT-12V125 FR	12	137.6	129.8	118.1	86.5	21.69	551	4.33	110	11.30	287	11.30	287	89.30	40.50	M6
PGFT-12V130-E FR*	12	140.4	130.0	114.3	80.9	21.70	550	4.30	110	11.20	285	11.20	285	92.60	42.00	M8
PGFT-12V160 FR	12	158.8	150.0	130.5	95.9	21.69	551	4.33	110	11.30	287	11.30	287	102.30	46.40	M6
PGFT-12V150-E FR*	12	162.0	150.0	131.9	93.3	21.70	550	4.30	110	11.20	285	11.20	285	101.40	46.00	M8
PGFT-12V155-E FR*	12	167.4	155.0	136.2	96.4	21.80	555	4.90	125	10.80	276	10.80	276	112.00	50.80	M8
PGFT-12V180 FR	12	190.0	180.0	163.5	120.0	22.05	560	4.96	126	11.02	280	11.02	280	119.10	54.00	M6
PGFT-12V180-E FR*	12	194.4	180.0	158.2	112.0	21.80	555	4.90	125	12.40	316	12.40	316	129.00	58.50	M8
PGFT-12V190-E FR*	12	205.2	190.0	167.0	118.2	21.80	555	4.90	125	12.40	316	12.40	316	130.50	59.20	M8
PGFT-12V200 FR	12	210.0	200.0	175.0	123.9	22.05	560	4.96	126	12.60	320	12.60	320	134.50	61.00	M8

* Manufactured in Europe - Unique case size

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

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DCG SERIES

RECHARGEABLE DEEP CYCLE GEL BATTERIES



Medical



Solar



Wind



Mobility



Golf Carts

Utilizing an innovative gel formulation, the Power-Sonic DCG series of deep-cycle gel batteries ensure enhanced performance and a longer cycle life compared to AGM technology.

The unique plate design provides a higher cycle life at an increased depth of discharge. The rugged design is purpose-built for applications requiring regular and consistent cycling (charge and discharge) including medical devices, mobility applications, solar, and wind. Power-Sonic's state-of-the-art manufacturing and process control combined with meticulous quality assurance procedures guarantee consistent and dependable performance.

POWER PS SONIC
TRUSTED BATTERY SOLUTIONS

power-sonic.com



DCG SERIES

Rechargeable Deep-Cycle Gel Batteries

FEATURES

- Deep cycle gel battery
- Thixotropic gel electrolyte for enhanced performance
- Specifically engineered for deep cycling applications
- Better recovery capabilities from deep discharge
- Superior cyclic life to AGM technology
- Power to volume ratio yielding unrivaled energy density
- Proven valve-regulated technology that guarantees safe operation without maintenance
- Rugged impact-resistant ABS case and cover



SPECIFICATIONS

Model	Nominal Voltage	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			
DCG12-17	12	17.0	15.8	13.6	9.4	7.15	181.5	3.03	77	6.60	167.5	6.60	167.5	12.80	5.80	M8
DCG12-26	12	26.0	24.2	20.8	14.3	6.56	167	6.89	175	4.92	125	4.92	125	19.60	8.90	M5
DCG12-32	12	32.0	29.5	26.5	18.0	7.68	195	5.24	133	6.46	164	7.09	180	25.00	11.30	M6
DCG12-38	12	38.0	35.3	30.4	20.9	7.76	197	6.50	165	6.69	170	6.69	170	29.10	13.20	M6
DCG12-45	12	45.0	40.0	36.0	24.8	10.12	257	5.20	132	7.87	200	7.87	200	35.70	16.20	M6
DCG12-50	12	50.0	46.5	40.0	27.5	9.02	229	5.45	138	8.07	205	8.31	211	36.80	16.70	M6
DCG12-70	12	70.0	65.1	56.0	38.5	10.24	260	6.61	168	8.27	210	8.98	228	51.00	23.00	M6
DCG12-85	12	85.0	78.0	68.0	46.8	12.05	306	6.61	168	8.27	210	8.38	213	60.00	27.10	M6
DCG12-100	12	100.0	93.0	80.0	55.0	12.99	330	6.81	173	8.35	212	8.66	220	68.00	30.80	M8
DCG12-110	12	110.0	102.3	88.0	60.5	16.14	410	6.97	177	8.86	225	8.86	225	79.40	36.00	M8
DCG12-140	12	140.0	126.0	108.0	74.0	19.09	485	6.69	170	9.45	240	9.45	240	97.00	44.20	M8
DCG12-200	12	200.0	186.0	160.0	110.0	20.55	522	9.45	240	8.58	218	8.82	224	138.70	62.90	M8

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Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
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PS-OPzV SERIES

RECHARGEABLE TUBULAR GEL BATTERIES



Solar



Wind



Telecomms



UPS



Utility



Signalling

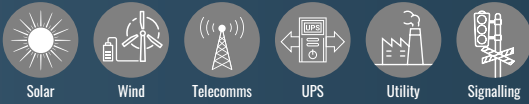
Engineered with an innovative tubular plate design, Power-Sonic PS-OPzV valve regulated lead acid batteries provide greater capacity and enhanced cycle life.

The OPzV batteries have been specifically designed for longer life, better reliability, and strong resilience to high temperatures making them ideal for critical power applications and energy storage.

The rugged design and use of gel electrolytes increases safety while keeping them maintenance-free. Wide capacity availability ranging from 200Ah to 3000Ah combined with a design life of up to 20 years make the PS-OPzV series one of the most popular choices for critical utilities and infrastructure applications.

POWERPS SONIC
TRUSTED BATTERY SOLUTIONS

power-sonic.com



PS-OPzV SERIES

Rechargeable Tubular Gel Batteries



FEATURES

- OPzV tubular plate gel battery
- Single cell gel with tubular plate technology giving superior cyclic performance
- Up to 20 years design life
- Proven valve regulated technology that guarantees safe operation without maintenance
- Rugged impact resistant ABS case and cover flame retardant to UL94:HB
- Easy installation in vertical or horizontal position
- Excellent deep discharge recovery

SPECIFICATIONS

Model	Nominal Voltage	Rated Capacity (AH)			Approx. Dimensions: inch (mm)								Approx. Weight		Terminal Type
		100-hr	20-hr	10-hr	Length		Width		Height		Total Height		lbs.	kgs.	
		1.80V/cell	1.80V/cell	1.75V/cell	inch	mm	inch	mm	inch	mm	inch	mm			
PS-40pZV200	2	252.8	213.8	200	4.06	103	8.11	206	14.00	355	15.35	390	39.7	18	M8
PS-60PzV420	2	530.9	449	420	5.71	145	8.11	206	18.50	471	19.90	506	75.0	34	M8
PS-70PzV490	2	619.4	523.8	490	6.54	166	8.11	206	18.50	471	19.90	506	86.0	39	M8
PS-80PzV800	2	1011	855.2	800	7.52	191	8.27	210	25.40	646	26.80	681	142.2	64.5	M8

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
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ACX SERIES BATTERY CHARGERS

For SLA Batteries

OPERATING CHARACTERISTICS

“ACX” series 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.

In the fast charge mode voltage goes up to 2.45V +/- 0.05V before switching, in the float charge mode voltage is held between 2.25- 2.30V/cell.

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



FEATURES

- Universal input voltage range 100VAC - 240VAC
- Automatic, current sensing dual-rate charging for efficient, care-free and safe operation
- LED indicators
- Alligator clip connectors with insulated sleeves

APPROVALS

- ISO9001:2015 – Quality management systems
- DOE compliant
- CE compliant
- FCC compliant
- ETL approved
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified

CALCULATING RECHARGE TIME

Recharge time depends on the depth of the preceding discharge and the output current of the charger. To determine the approximate recharge time of a fully discharged battery, divide the battery’s amp. hrs. by the rated output current of the charger and multiply the resulting number of hours by a factor of 1.75 to compensate for the declining output current during the charge cycle. If the amount of amp. hrs. discharged from the battery is known, use it instead of the battery’s capacity to make the calculation.

SPECIFICATIONS

Model	Nominal Voltage	Output Voltage Float/Fast Charge	Output Current mA	Type Automatic	Dimensions: inch (mm)			Weight		Charging Capacity Range
					Length	Width	Height	lbs.	kgs.	
PSC-6500ACX	6	6.7 / 7.35	500	dual rate	3.15 (80)	2.24 (57)	1.97 (50)	0.21	0.10	2Ah to 5Ah
PSC-61000ACX	6	6.7 / 7.35	1000	dual rate	3.15 (80)	2.24 (57)	1.97 (50)	0.20	0.09	5Ah to 12Ah
PSC-12500ACX	12	13.3 / 14.70	500	dual rate	3.15 (80)	2.24 (57)	1.97 (50)	0.20	0.09	2Ah to 5Ah
PSC-121000ACX	12	13.3 / 14.70	1000	dual rate	3.15 (80)	2.24 (57)	1.97 (50)	0.20	0.09	5Ah to 12Ah
PSC-122000ACX	12	13.3 / 14.70	2000	dual rate	6.06 (154)	2.83 (72)	1.85 (47)	1.32	0.60	8Ah to 20Ah
PSC-124000ACX	12	13.7 / 14.70	4000	dual rate	5.43 (138)	2.83 (72)	1.65 (42)	0.95	0.43	14Ah to 55Ah
PSC-126000ACX	12	13.3 / 14.70	6000	dual rate	6.50 (165)	3.74 (95)	2.36 (60)	1.79	0.81	24Ah to 60Ah
PSC-1212000ACX	12	13.3 / 14.70	12000	dual rate	8.19 (208)	5.12 (130)	3.23 (82)	3.31	1.5	48Ah to 120Ah

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

Power-Sonic Corporation
365 Cabela Dr Suite 300,
Reno, Nevada 89523
USA
T: +1 619 661 2020
E: customer-service@power-sonic.com

POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com

FURTHER INFORMATION

Power Sonic offers a wide range of chargers suitable for batteries with a variety of capacities. If you have any queries or need help choosing a charger please contact our technical team who will be happy to help.

THE POWER SONIC BRAND PROMISE



QUALITY

Manufactured using the latest technology and stringent quality control, our battery products are designed to exceed in performance and reliability.



EXPERIENCE

Our focused approach to exceptional end to end customer experience sets us apart from the competition. From enquiry to delivery and everything in-between we regularly exceed our customers' expectations.



SERVICE

Delivery on time, every time to customer specifications. We pride ourselves on offering tailored service solutions to meet our customers' exact specifications.

GLOBAL HEADQUARTERS
(USA AND INTERNATIONAL EXCLUDING EMEA)
Power-Sonic Corporation
365 Cabela Dr Suite 300,
Verdi, Nevada 89439
USA
T: +1 775-824-6500
E: customer-service@power-sonic.com

POWER-SONIC EMEA
(EMEA – EUROPE, MIDDLE EAST AND AFRICA)
Smitspol 4, 3861 RS Nijkerk,
The Netherlands
T NL: + 31 33 7410 700
T UK: + 44 1268 560 686
T FR: + 33 344 32 18 17
E: salesEMEA@power-sonic.com



To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

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