



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2285	14-Jan-2009	Number 18	Issue date 13-Apr-2023	30-Apr-2024

Page 1 of 3

Product designation

Power-Sonic, PS Series, sealed (valve regulated), lead acid batteries

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Power-Sonic
PO Box 709, SOUTHPORT, QLD, AUSTRALIA, 4215

Registrant

Sealed Performance Batteries Pty Ltd
1 Ant Road, YATALA, QLD, AUSTRALIA, 4207

Producer

Power-Sonic Corporation
7550 Panasonic Way, SAN DIEGO, CA, UNITED STATES, 92154

Conformance criteria and evaluation

The Power-Sonic, PS Series, sealed (valve regulated), lead acid batteries has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. Australian Standard AS 1603.4, Appendix G-1987, 'Automatic fire detection and alarm systems - Control and indicating equipment'.

Limitations/conditions of conformance

Limitations/conditions of conformance, where identified on this certificate, are derived from qualifications from evaluation(s) for conformity and/or other related technical documentation. All details with respect to design, assembly and installation instructions and restrictions should be checked against the producer's current technical manual/data sheets and the requirements of the Authority having Jurisdiction.

Specified limitations/conditions, determined from the evaluation for conformity, include the following.

- i. AS 1603.4, Appendix G-1987 does not establish the evidence required to demonstrate conformity of VRSLA batteries to electrical safety regulations that apply to CIE and related applications due to the requirements now specified in AS/NZS 62368.1:2018.

This certification is issued within the scope of CSIRO Verification Services – Rules governing ActivFire Scheme and is valid only for the product(s) as submitted for evaluation and verification of conformity, subject to the following conditions.

- Reference to details, limitations and requirements, where documented as a schedule/enclosure with this certificate.
- The Registrant is responsible for their attestation of conformity and ensuring that on-going production complies with the conformance criteria defined in this certificate.
- This certificate will not be valid if any changes or modifications are made to the product which have not been notified and validated by CSIRO Verification Services.
- This certificate is subject to periodical re-validation upon verification that all requirements, as determined by the conformity assessment body, continue to be satisfactorily met by the Registrant.
- This certificate may only be reproduced in its published form, without modification and inclusive of all schedules/enclosures.
- Any changes, errors or omissions, must be submitted in writing and if necessary or requested, substantiated with relevant evidence.
- Any representations, such as advertising or other marketing related activities or articles shall reflect the correct contents of this certificate and conform with all relevant trade practices and consumer protection legislation and regulations.
- Any terms or conditions of use as applicable to content and documentation as published or accessed through web sites administered by the CSIRO Verification Services.

Issued by

Kai Loh

Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2285	14-Jan-2009	Number 18	Issue date 13-Apr-2023	30-Apr-2024

Page 2 of 3

Producer's description

The Power-Sonic, PS Series, sealed (valve regulated), lead acid batteries are for application in cyclic service with repeated charges and discharges, or standby use in which the battery is normally maintained in a charged state and discharged only when required.

The Power-Sonic, PS Series, sealed (valve regulated), lead acid batteries are fully sealed with the exception of the gas pressure regulated safety valve. Unless stated otherwise by the manufacturer, the batteries are maintenance-free and can be operated and stored in any position. The batteries contain no free electrolyte, and gas generated from water electrolysis by overcharging is absorbed by the electrodes and not expelled by the battery, under normal operation.

Technical specification

The following details are a representative extract of the technical specification for the Power-Sonic, PS Series, sealed (valve regulated), lead acid batteries and may be subject to change. Complete and current details should be determined from the designated producer's technical manual/data sheets.

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

The plates consist of antimony-free lead-calcium alloy grids pasted with pure lead (negative plates) and lead dioxide (positive plates). Plates are separated by woven glass fibre mats.

Container and cover: ABS resin

Charging temperature range: -15°C to +50°C

Discharge temperature range: -40°C to +60°C

Schedule of variant designations

The following is a schedule of validated variant designations of the certified/listed equipment.

Battery model	Nominal voltage (V)	Rated capacity 20hr 1.75V/cell (Ah)	Casing length (mm)	Casing width (mm)	Casing height (mm)	Approx. weight (kg)
PS-605	6	0.5	57	14	51	0.09
PS-610	6	1.1	51	42	51	0.20
PS-612	6	1.4	97	24	51	0.3
PS-621	6	2.0	69	37	76	0.34
PS-628	6	2.8	66	33	98	0.59
PS-630	6	3.5	134	34	60	0.62
PS-632	6	3.5	66	33	118	0.62
PS-640	6	4.5	70	47	100	0.73
PS-650L	6	5.0	67	67	100	0.82
PS-670	6	7.0	151	34	94	1.10
PS-682F	6	9	98	56	118	1.45
PS-6100	6	12.0	151	51	94	1.95
PS-6120	6	12	108	71	141	2.18
PS-6200	6	20	157	83	125	3.22
PS-6360	6	36	159	85	165	5.49
PS-62000	6	210	306	169	220	29
PS-832	8	3.2	134	36	63	0.75
PS-1208	12	0.8	96	25	62	0.35
PS-1212	12	1.4	96	43	52	0.54
PS-1220	12	2.5	178	35	60	0.95
PS-1221	12	2.0	143	24	65	0.59
PS-1221S	12	2.0	150	20	89	0.68
PS-1223	12	2.3	182	24	61	0.77
PS-1227	12	2.9	79	56	99	1.09
PS-1228	12	2.8	133	33	97	1.18
PS-1229	12	2.9	178	35	60	1.04
PS-1230	12	3.4	133	67	60	1.32
PS-1238	12	3.8	195	47	74	1.59
PS-1240	12	4	90	70	101	1.41
PS-1250	12	5.0	90	70	101	1.59

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Number
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Issue date

13-Apr-2023

30-Apr-2024

Page 3 of 3

Battery model	Nominal voltage (V)	Rated capacity 20hr 1.75V/cell (Ah)	Casing length (mm)	Casing width (mm)	Casing height (mm)	Approx. weight (kg)
PS-1251FP	12	5.4	140	48	102	1.86
PS-1270	12	7.0	151	65	94	2.18
PS-1272	12	7.2	151	65	94	2.63
PS-1280	12	8.0	151	65	100	2.50
PS-1290	12	9	151	65	94	2.72
PS-12100H	12	10.5	151	118	65	3.28
PS-12100	12	12	151	102	94	3.69
PS-12120	12	12.0	151	98	94	3.59
PS-12140	12	14	151	98	94	4.2
PS-12180	12	18.0	181	76	167	5.72
PS-12200	12	20.0	181	167	167	6.31
PS-12260	12	26.0	167	177	125	7.71
PS-12260H	12	25.40	165	125	175	8.7
PS-12280	12	28	165	125	177	9.39
PS-12330	12	33	196	131	158	10.5
PS-12350	12	35.0	196	130	158	11.20
PS-12400	12	40.0	197	165	170	13.2
PS-12420	12	42	255	97	203	13.1
PS-12550	12	55	230	138	207	16.33
PS-12650	12	65	348	167	178	19.5
PS-12750	12	75.0	260	168	208	22.95
PS-121000	12	100	305	168	207	30.84
PS-121100	12	110	330	171	212	31.52
PS-121200	12	120	410	177	225	37.2
PS-121400	12	140	343	171	274	44.91
PS-121500	12	150	485	170	242	46.7
PS-122000	12	200	522	240	218	65.3
PS-122500	12	250	522	268	220	73