



# Certificate of Conformity

| Certificate num.  | Registration date | Version      | Valid until              |             |
|-------------------|-------------------|--------------|--------------------------|-------------|
| <b>afp - 2285</b> | 14-Jan-2009       | Number<br>15 | Issue date<br>1-May-2020 | 30-Apr-2021 |
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## 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.

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

David Whittaker  
Executive Officer – ActivFire Scheme



# Schedule to Certificate of Conformity

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## 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                |

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| 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-1240       | 12                  | 4                                   | 90                 | 70                | 101                | 1.41                |
| PS-1250       | 12                  | 5.0                                 | 90                 | 70                | 101                | 1.59                |
| 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                  |