



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3655	23-Nov-2021	Number 6	Issue date 14-Apr-2026	30-Apr-2027

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Product designation

Zeal, SA Series, valve regulated sealed lead acid batteries

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

Agent/distributor

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

Registrant

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

Producer

NPP Power (Vietnam) Co., Ltd
Lot A22.3, Road C4, Thanh Thanh Cong Industrial Zone, An Hoa Ward, TRANG BANG DISTRICT, TAY NINH PROVINCE, VIETNAM, 510630

Conformance criteria and evaluation

The Zeal, SA Series, valve regulated sealed lead acid batteries has been evaluated and verified as conforming with the relevant requirements of the following criteria.

1. CSIRO Technical Specification TS-015, Version 3, 19-Jun-2024, 'Verification of conformity of valve regulated sealed lead-acid (VRSLA) batteries for FDCIE/EWCIE'.

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

Kai Loh

Executive Officer – ActivFire Scheme



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Technical specification

The following details are a representative extract of the technical specification for the Zeal, SA Series, valve regulated sealed 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 variant designations

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

Trade brand	Part number	Nominal voltage (V)	Rated capacity (Ah)	Terminal type	Length (mm)	Width (mm)	Height (mm)	Total height (mm)	Approx. Weight (kg)
Zeal	SA12V7	12	7.0	F1	151	65	95	100	2.10
	SA12V12		12.0	T1/T2	151	98	95	100	3.40
	SA12V18		18.0	T3/T12	181	77	167	167	5.20
	SA12V20		20.0	T3/T12	181	77	167	167	5.50
	SA12V22		22.0	T12/T3	181	77	167	167	5.70
	SA12V26		26.0	T4/T12	166	125	125	125	7.90
	SA12V35		35.0	T14/T16	195	130	155	167 / 180	10.00
	SA12V40		40.0 (10 hr)	T14	197	165	170	170	12.50
	SA12V45		45.0	T14	197	165	170	170	13.10
	SA12V55		55.0 (10 hr)	T14	230	138	211	215	17.30
	SA12V65		72.0	M6	350	166	179	179	21.00
	SA12V75		75.0 (10 hr)	T14	260	168	211	215	23.50
	SA12V80		80.0 (10 hr)	T14	260	168	211	215	24.20
	SA12V85		85.0	M6	306	169	211	215	24.20
	SA12V90		90.0 (10 hr)	T14	306	169	211	215	27.00
	SA12V100		100.0 (10 hr)	T14	306	169	211	215	27.00
	SA12V105C		105.0	M6	306	169	210	215	26.50
	SA12V125		120.0 (10 hr)	T16	409	173	208	238	35.00
	SA12V125C		125.0	M6	330	172	217	220	30.00
	SA12V160		150.0 (10 hr)	T16	485	172	240	240	41.80
	SA12V215		200.0 (10 hr)	T16/T18	522	238	218	222	59.50
	SA12V270		250.0 (10 hr)	T16	521	269	220	224	74.50

Schedule of properties/characteristics

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

Nominal operating temperature	25°C ±3°C
Operating temperature range	
Discharge	-15°C ~ 50°C
Charge	-10°C ~ 50°C
Storage	-20°C ~ 50°C
Float charging voltage(25°C)	13.50 to 13.80 V Temperature compensation: -18 mV/°C
Cyclic charging voltage(25°C)	14.50 to 15.00 V Temperature compensation: -30m V/°C
Component	
Positive plate	Lead dioxide
Negative plate	Lead
Container	ABS
Cover	ABS
Separator	AGM
Electrolyte	Sulfuric acid
Safety valve	Rubber
Terminal	Copper

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Supplementary information

Schedule of relevant articles

The following schedule is an extract of articles significant and/or related as evidence of conformity.

Reference		Title / description	Date issued (or date validated)	Source
Ident. type	Ident.			
Report:	CSBA0125/R1	Verification of Conformity of the Zeal, SA Series, valve regulated sealed lead acid batteries to IEC 60896-21:2004 and IEC 60896-22:2004 in accordance with CSIRO Technical Specification TS-015 'Verification of Conformity of Valve Regulated Sealed Lead-Acid (VRSLA) Batteries for FDCIE/EWCIE' Ver 3 (19-Jun-2024)	05-Sep-2024	CSIRO Fire Systems Laboratory, AU
	CSB0020/R1	Evaluation for conformity of the Zeal, SA Series, sealed lead acid batteries to the requirements of TS001, Version 1.1, 17-Jul-2006	18-Nov-2021	
Specification / Technical Sheet	As per Title/ Description	Zeal Specification / Technical Sheet, SA12V7 SA12V12 SA12V18 SA12V20 SA12V26 SA12V35 SA12V40 SA12V45 SA12V55 SA12V65 SA12V75 SA12V80 SA12V85 SA12V100 SA12V105C SA12V125 SA12V125C SA12V160 SA12V215 SA12V270	28-Feb-2025	Sealed Performance Batteries Pty Ltd, AU