



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3552	19-Nov-2020	Number 8	Issue date 18-Mar-2025	30-Apr-2026

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Product designation

Amptech, AT Series, sealed (valve regulated), lead acid batteries

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

Agent/distributor

Supercharge Batteries Pty Ltd
No. 1a Reconciliation Rise, PEMULWUY, NSW, AUSTRALIA, 2145

Registrant

Supercharge Batteries Pty Ltd
No. 1a Reconciliation Rise, PEMULWUY, NSW, AUSTRALIA, 2145

Producer

Shenzhen Ritar Power Co., Ltd.
Bldg 9, Area-2, Fuqiao Industrial Zone, Fuyong Town, BAOAN DISTRICT, SHENZHEN, CHINA, 518103

Conformance criteria and evaluation

The Amptech, AT Series, sealed (valve regulated), lead acid batteries have 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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The validity and authenticity of this certificate can be verified by the certification register located at <https://activfire.csiro.au>

Schedule to Certificate of Conformity

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Producer's description

The Amptech, AT 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.

Unless stated otherwise by the manufacturer, the batteries are maintenance-free and can be operated and stored in both horizontal and vertical 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 Amptech, AT 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 variant designations

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

Model number	Nominal voltage (V)	20 hr rated capacity (ah)	Length (mm)	Width (mm)	Height (mm)	Total height (mm)	Approx. Weight (kg)
AT1270P	12	7.0	151	65	94	100	1.95
AT1290DP		9.0	151	65	94	100	2.30
AT12180DP		18.0	181	77	167	167	6.00
AT12750DP		80.0	260	169	211	216	22.5
AT12900DSP		100.0	306.5	168.5	210	215	30.0
AT121000DSP		120.0	328	172	215	220	32.0

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 number	XF2428/R2	Evaluation for Conformity Ritar RT/RA Series Batteries to ActivFire Specification TS-001	22-Apr-2010	CSIRO, Industrial Research Services, AU
	CSBA0100/R6a	Verification of Conformity of the Amptech, AT Series, sealed (valve regulated), 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)	23-Aug-2024	CSIRO Fire Systems Laboratory, AU
Correspondence	-	HENGYANG RITAR POWER CO., LTD. AFP – 2422; Request To Include Re-Labelled types	5-May-2020	Hengyang Ritar Power Co., Ltd, CN
Data sheets	As per Title/ description	AMP-TECH Plus Valve Regulated Lead Acid AGM Battery AT1270P AT1290DP AT12180DP AT12750DP AT12900DSP AT121000DSP	5-Jul-2024	Supercharge Batteries Pty Ltd, AU



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afp - 3893	6-May-2024	Number 2	Issue date 18-Mar-2025	30-Apr-2026

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Product designation

Amptech, AT Series 2, sealed (valve regulated), lead acid batteries

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

Agent/distributor

Supercharge Batteries Pty Ltd
No. 1a Reconciliation Rise, PEMULWUY, NSW, AUSTRALIA, 2145

Registrant

Supercharge Batteries Pty Ltd
No. 1a Reconciliation Rise, PEMULWUY, NSW, AUSTRALIA, 2145

Producer

Leoch Battery Pte. Ltd.
1 Tech Park Crescent, SINGAPORE, 638131

Conformance criteria and evaluation

The Amptech, AT Series 2, sealed (valve regulated), 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 1,07-Nov-2022, '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.

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afp - 3893	6-May-2024	Number 2	Issue date 18-Mar-2025	30-Apr-2026

Technical specification

The following details are a representative extract of the technical specification for the Amptech, AT Series 2, 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 variant designations

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

Battery model	Nominal voltage (V)	Rated capacity (Ahr)	Casing length (mm)	Casing width (mm)	Casing height (mm)	Total height (mm)	Approx. weight (kg)
AT645	6 V	5 Ah	70	47	100	106	0.72
AT670	6 V	7 Ah	150	34	94	100	1.00
AT6120	6 V	12 Ah	151	50.5	94	100	1.60
AT1245	12 V	4.5 Ah	90	70	101	107	1.39
AT1270	12 V	7 Ah	151	65	93.5	99.5	1.97
AT12100	12 V	10 Ah	151	65	111	117	3.07
AT1290D	12 V	9 Ah	151	65	93.5	99.5	2.45
AT12120D	12 V	12 Ah	151	98	95	101	4.05
AT12180D	12 V	18 Ah	181.5	76.5	167.5	167.5	6.00
AT12200D	12 V	20 Ah	181.5	77	166	166	6.90
AT12260D	12 V	26 Ah	166	175	126	126	8.57
AT12350D	12 V	35 Ah	196	130	164	167	11.2
AT12450D	12 V	45 Ah	197	165	170	170	13.2
AT12550D	12 V	55 Ah	229	138	210	216	17.7
AT12750D	12 V	75 Ah	260	168	208	214	22.3
AT12900DS	12 V	105 Ah	306	168	208	214	30.6
AT121000DS	12 V	120 Ah	330	173	212	220	31.7
AT121200D	12 V	120 Ah	408	177	225	225	37.3
AT121500D	12 V	150 Ah	483	170	238.5	238.5	43.2
AT122000D	12 V	200 Ah	522	240	218	224	62.3
AT122600D	12 V	250 Ah	522	268	220	226	73.1
AT12900DSP	12 V	105 Ah	306	168	208	214	29.0
AT121000DSP	12 V	120 Ah	330	173	212	220	31.0

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 number	CSBA0096/R1	Verification of Conformity of the Amptech, AT Series 2, valve-regulated sealed lead acid battery series 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 2 (10-Feb-2023)	03-May-2024	CSIRO Fire Systems Laboratory, AU
Data sheets	As per title / description	AMP-TECH VALVE REGULATED LEAD ACID AGM BATTERY AT645 AT670 AT6120 AT6120 AT1245 AT1270 AT12100 AT1290D AT12120D AT12190D AT12200D AT12260D AT12350D AT12450D AT12550D AT12750D AT12900DS AT121000DS AT121200D AT121500D AT122000D AT122600D AT12900DSP AT121000DSP	24-Nov-2023	Supercharge Batteries Pty Ltd, NSW, AU