



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 3552</b>	19-Nov-2020	Number 5	Issue date 5-Mar-2024	30-Jun-2024

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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. Technical Specification TS001, Version 1.1, 17-Jul-2006, 'Lead-acid batteries for control and indicating equipment, AS 4428.5-1998, clause 2.6'.

## 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. TS-001 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

Kaj Loh  
Executive Officer – ActivFire Scheme



# 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.

Battery model	Nominal voltage (V)	Rated capacity (Ahr)	Casing length (mm)	Casing width (mm)	Casing height (mm)	Total height (mm)	Approx. weight (kg)
AT1270P	12	7	151	65	94	100	1.95
AT1290DP	12	9	151	65	94	100	2.30
AT12180DP	12	18	181	77	167	167	6.00
AT12750DP	12	80	260	169	211	216	22.5
AT12900DSP	12	100	306.5	168.5	210	215	30.0
AT121000DSP	12	120	328	172	215	220	32.0

### Schedule of properties/characteristics

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

Container and cover:	ABS-FR (Fire retardant models available)
Discharge temperature range:	-20°C to +60°C.
Charging temperature range:	0°C to +50°C
Storage temperature range:	-20°C to +60°C

## 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
Report Number	ATL20181008842S	HENGYANG RITAR POWER CO., LTD. Deep Cycle Series Regulated Sealed lead-acid Battery Standard IEC60896-21:2004 IEC60896-22:2004 MODEL LIST: DC12-75 ... DC12-180 ... DC2-3000	10-Oct-2018	Shenzhen ATL Testing Technology Co., Ltd., CN
Report No.	HST201406-1833	Valve Regulated Sealed lead-acid battery Hengyang Ritar Power Co., Ltd Annex a RA12-90 ... RA12-110 ... RT1212 ... RT12170 ... RT12240S Standard IEC60896-21:2004 IEC60896-22:2004	30-Aug-2014	Guangdong Huesent Testing & Inspection Technology Co., Ltd, CN
Correspondence	-	HENGYANG RITAR POWER CO., LTD. AFP - 2422; Request To Include Re-Labelled types	5-May-2020	Hengyang Ritar Power Co., Ltd, CN