



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2422	21-May-2010	Number 31	Issue date 18-Mar-2025	30-Apr-2026

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Product designation

Ritar, RT 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 Ritar, RT 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.

Producer's description

The Ritar, RT 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.

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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Technical specification

The following details are a representative extract of the technical specification for the Ritar, RT/RA/DC12/HR/EV/FT 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)	
RT640	6	4.0	70	47	99	105	0.6	
RT640S		4.0	194	25	62	62	0.75	
RT645		4.5	70	47	99	105	0.65	
RT650		5.0	70	47	99	105	0.7	
RT670		7.0	151	34	94	100	1.0	
RT680		8.0	151	34	94	100	1.05	
RT6100		10.0	150	50	93	99	1.62	
RT6120		12.0	150	50	93	99	1.75	
RT1240		12	4.0	90	70	101	107	1.2
RT1245			4.5	90	70	101	107	1.3
RT1245U	4.5		151	65	94	100	1.45	
RT1250	5.0		90	70	101	107	1.35	
RT1250B	5.0		151	50	95	101	1.4	
RT1255	5.5		90	70	101	107	1.7	
RT1270	7.0		151	65	94	100	1.95	
RT1272	7.2		151	65	94	100	1.95	
RT1280	8.0		151	65	94	100	2.08	
RT1290EP	9.0		151	65	94	100	2.55	
RT1290	9.0		151	65	94	100	2.3	
RT12100S	10.0		151	65	111	117	3.1	
RT12100	10.0		151	98	95	101	3.15	
RT12120	12.0		151	98	95	101	3.5	
RT12180	18.0		181	77	167	167	5.0	
RT12200	20.0		181	77	167	167	5.4	
RT12220	22.0		181	77	167	167	5.6	
RT12240	24.0		166	176	125	125	7.0	
RT12260	26.0		166	176	125	125	7.4	
RT12240S	24.0		165	125	174	174	7.4	
RT12280	28.0	166	176	125	125	8.1		
RT12280S	28.0	165	125	174	174	8.8		

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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 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/R2a	Verification of Conformity of the Ritar, RT 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
Data sheet	As per Title/ description	RITAR® RT640 RT640S RT645 RT650 RT670 RT680 RT6100 RT6120 RT1240 RT1245 RT1245U RT1250 RT1250B RT1255 RT1270 RT1272 RT1280 RT1290EP RT1290 RT12100S RT12100 RT12120 RT12180 RT12200 RT12240 RT12260 RT12240S RT12280 RT12280S	5-Jul-2024	Shenzhen Ritar Power Co., Ltd., CN