



# Certificate of Conformity

Certificate num.	Registration date	Version	Issue date	Valid until	Page 1 of 3
<b>afp - 3908</b>	19-Jul-2024	Number 1	23-Aug-2024	30-Apr-2026	

## Product designation

**Ritar, HR 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, HR Series, 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 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, HR 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

Kai 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, HR 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)
HR6-16W	6	4.0	70	47	99	105	0.68
HR6-18W		4.5	70	47	99	105	0.7
HR6-22W		5.5	70	47	99	105	0.75
HR6-28W		7.0	151	34	94	100	1.1
HR6-32W		8.0	151	34	94	100	1.15
HR6-36W		9.0	151	34	94	100	1.35
HR12-20BW	12	5.0	151	50	95	101	1.6
HR12-22W		5.5	90	70	101	107	1.55
HR12-32W		8.0	151	65	94	100	2.2
HR12-36W		9.0	151	65	94	100	2.45
HR12-38W		9.0	151	65	94	100	2.45
HR12-48W		12.0	151	98	95	101	3.15
HR12-50W		14.0	181	77	167	167	4.2
HR12-60W		17.0	181	77	167	167	4.7
HR12-70W		18.0	181	77	167	167	5.35
HR12-80W		18.0	181	77	167	167	6.2
HR12-88W		22.0	181	77	167	167	6.2
HR12-96W		24.0	166	176	125	125	8.1
HR12-104W		26.0	166	176	125	125	8.6
HR12-125W		33.0	195	130	155	168	10.0
HR12-150W		40.0	198	166	169	169	12.4
HR12-200W		55.0	229	138	211	216	16.5
HR12-240W		65.0	350	167	182	182	19.5
HR12-280W		75.0	260	169	211	216	24.8
HR12-340W		90.0	306.5	168.5	210	215	29.0
HR12-380W		100.0	328	172	215	220	29.0
HR12-450W		120.0	407	177	225	225	36.5
HR12-520W		145.0	340	173	280	287	41.0
HR12-570W		150.0	483	170	241	241	43.0
HR12-580W		155.0	340	173	280	287	43.0
HR12-580WA		155.0	340	173	280	287	43.0
HR12-650W		200.0	522	240	219	224	58.0
HR12-690W		225.0	522	240	219	224	61.0
HR12-780W		260.0	522	240	219	224	68.0
HR12-800W		240.0	522	240	219	224	72.0

Schedule to

# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	Page 3 of 3
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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	CSBA0100/R3	Verification of Conformity of the Ritar, HR 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® HR6-16W   HR6-18W   HR6-22W   HR6-28W   HR6-32W   HR6-36W   HR12-20BW   HR12-22W   HR12-32W   HR12-36W   HR12-38W   HR12-48W   HR12-50W   HR12-60W   HR12-70W   HR12-80W   HR12-88W   HR12-96W   HR12-104W   HR12-125W   HR12-150W   HR12-200W   HR12-240W   HR12-280W   HR12-340W   HR12-380W   HR12-380SWL   HR12-450W   HR12-520W   HR12-570W   HR12-580W   HR12-580WA   HR12-650W   HR12-690W   HR12-780W   HR12-800W   HR12-80WL	5-Jul-2024	Shenzhen Ritar Power Co., Ltd., CN



# Certificate of Conformity

Certificate num.	Registration date	Version	Issue date	Valid until	Page 1 of 3
<b>afp - 3907</b>	19-Jul-2024	Number 2	23-Aug-2024	30-Apr-2026	

## Product designation

**Ritar, RA/DC 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, RA/DC Series, 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 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, RA/DC 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

Kai Loh

Executive Officer – ActivFire Scheme



# Schedule to Certificate of Conformity

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<b>afp - 3907</b>	19-Jul-2024	Number 2	Issue date 23-Aug-2024	30-Apr-2026
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## Technical specification

The following details are a representative extract of the technical specification for the Ritar, RA/DC 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.

	Nominal voltage (V)	20 hr rated capacity (ah)	Length (mm)	Width (mm)	Height (mm)	Total height (mm)	Approx. Weight (kg)
Model number							
RA Series							
RA6-100	6	100.0	194	170	205	212	16.5
RA6-150		150.0	260	180	245	252	22.5
RA6-180		180.0	306	168	220	227	25.5
RA6-200		200.0	322	177.5	226	231	28.0
RA6-200S		200.0	260	180	245	252	26.5
RA6-225		225.0	322	177.5	115	231	29.5
RA12-33	12	33	195	130	155	168	9.6
RA12-35		35	195	130	155	168	10.5
RA12-40		40	198	166	169	169	12.4
RA12-45		45	198	166	169	169	12.5
RA12-55		55	229	138	211	216	16.5
RA12-65		65	350	167	182	182	19.5
RA12-70		70	350	167	182	182	19.5
RA12-70S		70	260	169	211	216	21.5
RA12-80S		80	260	169	211	216	22.5
RA12-80		80	350	167	182	182	21.5
RA12-100S		100	306.5	168.5	210	215	27.5
RA12-100		100	328	172	215	220	28.5
RA12-120		120	407	177	225	225	33.5
RA12-120S		110	328	172	215	220	30.5
RA12-134		134	340	173	280	287	39.0
RA12-145		145	340	173	280	287	41.5
RA12-150		150	483	170	241	241	44.0
RA12-160		160	532	207	214	219	48.5
RA12-180		180	532	207	214	219	51.0
RA12-200		200	522	240	219	224	58.0
RA12-225		225	522	240	219	224	63.0
RA12-230		230	521	269	204	209	67.0
RA12-240		240	522	240	219	224	66.5
RA12-260		260	521	268	220	225	71.0
DC series							
DC6-180	6	180	306	168	220	227	25.6
DC6-200		200	322	177.5	226	231	29.0
DC6-225		225	322	177.5	226	231	32.0
DC12-26	12	26	166	176	125	125	8.1
DC12-26S		26	165	125	174	174	8.3
DC12-28S		28	165	125	174	174	8.8
DC12-40		40	198	166	169	169	12.4
DC12-55		55	229	138	211	216	16.5
DC12-65		65	350	167	182	182	19.5
DC12-80		80	350	167	182	182	22.3
DC12-100S		100	306.5	168.5	210	215	27.0
DC12-100SA		100	306.5	168.5	210	215	26.0
DC12-100		100	328	172	215	220	29.0
DC12-120		120	407	177	225	225	33.5
DC12-120S		114	328	172	215	220	30.0
DC12-120SA		114	328	172	215	220	29.0
DC12-134		134	340	173	280	287	39.0
DC12-145		145	340	173	280	287	41.5
DC12-150		150	483	170	241	241	44.0
DC12-160		160	532	207	214	219	48.0
DC12-180		180	532	207	214	219	51.0
DC12-190		190	532	207	214	219	56.0
DC12-190H		190	532	207	214	219	61.5

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Model number	Nominal voltage (V)	20 hr rated capacity (ah)	Length (mm)	Width (mm)	Height (mm)	Total height (mm)	Approx. Weight (kg)
DC12-200		200	522	240	219	224	59.0
DC12-225		225	522	240	219	224	63.0
DC12-230		230	521	269	204	209	67.0
DC12-260		260	521	268	220	225	72.0

## 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/R1	Verification of Conformity of the Ritar, RA/DC 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)	5-Jul-2024	CSIRO Fire Systems Laboratory, AU
Data sheet	As per Title/ description	RITAR® RA6-100   RA6-150   RA6-180   RA6-200   RA6-200S   RA6- 225   RA12-33   RA12-35   RA12-40   RA12-45   RA12-55   RA12-65   RA12-70   RA12-70S   RA12-80S   RA12-100S   RA12-100   RA12-120   RA12-120S   RA12-134   RA12-145   RA12-150   RA12-160   RA12-180   RA12-200   RA12-225   RA12-230   RA12-240   RA12-260   DC6-180   DC6-200 DC6- 225   DC6-26   DC6-26S   DC6-28S   DC12-40   DC12-55   DC- 12-65   DC12-80   DC12-100S   DC12-100SA   DC12-100   DC12-120   DC12-120S   DC12-120SA   DC12-134   DC12-145   DC12-150   DC12-160   DC12-180   DC12-190   DC12-190H   DC12-200   DC12-225   DC12-230   DC12-260	5-Jul-2024	Shenzhen Ritar Power Co., Ltd., CN



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<b>afp - 3909</b>	19-Jul-2024	Number 2	23-Aug-2024	30-Apr-2026	

## Product designation

**Ritar, EV 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, EV Series, 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 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, EV 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.

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Issued by

Kai Loh

Executive Officer – ActivFire Scheme





# Schedule to Certificate of Conformity

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<b>afp - 3909</b>	19-Jul-2024	Number 2	Issue date 23-Aug-2024	30-Apr-2026
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## Technical specification

The following details are a representative extract of the technical specification for the Ritar, EV 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)
EV6-180	6	180	306	168	220	227	28.0
EV6-200S		200	306	168	220	227	29.0
EV6-200		200	322	177.5	226	231	30.0
EV6-205		205	260	180	245	264	29.0
EV6-210		210	322	177.5	226	231	32.0
EV6-220		220	306	168	220	227	32.0
EV6-225S		225	243	187.5	275	275	32.0
EV6-225H		225	260	180	263	282	35.3
EV6-240		240	260	180	263	282	35.3
EV8-170	8	170	260	182	295	314	34.5
EV8-170S		170	260	182	267	272	34.5
EV8-200		200	260	182	295	314	38.0
EV12-10	12	10	151	98	95	101	3.85
EV12-12		12	151	98	95	101	4.2
EV12-14		14	151	98	99	105	4.2
EV12-18		18	181	77	167	167	5.9
EV12-22		22	181	77	167	167	6.2
EV12-24		24	182.5	78.5	170	170	7.0
EV12-24X		24	181	77	170	170	7.0
EV12-26		26	166	176	125	125	8.6
EV12-33		33	195	130	155	168	9.6
EV12-45		45	198	166	169	169	14.0
EV12-55		55	229	138	211	216	16.5
EV12-75		75	260	169	211	216	22.5
EV12-100S		100	306.5	168.5	210	215	30.0
EV12-110		110	328	172	215	220	30.5
EV12-120		120	407	177	225	225	36.5
EV12-145		145	340	173	280	287	44.0
EV12-150		150	483	170	241	241	44.5
EV12-180		180	532	207	214	219	53.0
EV12-180S		180	483	170	241	241	52.0
EV12-200		200	522	240	219	224	61.0
EV12-215		215	382	179	351	370	63.5
EV12-215S		215	382	179	351	370	63.5
EV12-240		240	522	240	219	224	65.0
EV12-280		280	521	268	220	225	78.0
EV12-300		300	521	268	220	225	78.0



Schedule to

# Certificate of Conformity

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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	CSBA0100/R4	Verification of Conformity of the Ritar, EV 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)	5-Jul-2024	CSIRO Fire Systems Laboratory, AU
Data sheet	As per Title/description	RITAR® EV6-180   EV6-200S   EV6-200   EV6-205   EV6-210   EV6-220   EV6-225S   EV6-240   EV8-170   EV8-170S   EV8-200   EV12-10   EV12-12   EV12-14   EV12-18   EV12-22   EV12-24   EV12-24X   EV12-26   EV12-33   EV12-45   EV12-55   EV12-75   EV12-100S   EV12-110   EV12-120   EV12-145   EV12-150   EV12-180   EV12-180S   EV12-200   EV12-215   EV12-215S   EV12-240   EV12-280   EV12-300	5-Jul-2024	Shenzhen Ritar Power Co., Ltd., CN



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<b>afp - 3910</b>	19-Jul-2024	Number 2	23-Aug-2024	30-Apr-2026	

## Product designation

**Ritar, FT 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, FT Series, 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 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, FT 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

Kai Loh

Executive Officer – ActivFire Scheme



# Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	Page 2 of 2
afp - 3910	19-Jul-2024	Number 2	Issue date 23-Aug-2024	30-Apr-2026

## Technical specification

The following details are a representative extract of the technical specification for the Ritar, 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)
FT12-55	12	55	291	106	230	230	17.2
FT12-55D		55	291	106	230	230	17.2
FT12-55G		55	291	106	230	230	17.2
FT12-90		90	562	114	188	188	26.5
FT12-90D		90	562	114	188	188	26.5
FT12-90G		90	562	114	188	188	26.5
FT12-100		100	508	110	236	236	28.5
FT12-100S		100	410	109	285	293	31.0
FT12-100D		100	508	110	236	236	28.5
FT12-100G		100	508	110	236	236	28.5
FT12-100SD		100	410	109	285	293	31.0
FT12-105		105	508	110	236	236	32.5
FT12-105D		105	508	110	236	236	32.5
FT12-105G		105	508	110	236	236	32.5
FT12-110		110	410	109	285	293	31.2
FT12-110D		110	410	109	285	293	31.2
FT12-110G		110	410	109	285	293	31.2
FT12-125		125	551	109	239	239	36.0
FT12-150		150	565	110	288	288	43.5
FT12-150D		150	565	110	288	288	43.5
FT12-150G		150	565	110	288	288	43.5
FT12-160		160	565	110	288	288	47.0
FT12-160D		160	565	110	288	288	47.0
FT12-160G		160	565	110	288	288	47.0
FT12-180		180	560	125	316	316	52.0
FT12-180D		180	560	125	316	316	52.0
FT12-180G		180	560	125	316	316	52.0
FT12-185		185	560	125	316	316	54.0
FT12-185D		185	560	125	316	316	56.0
FT12-200		200	560	125	316	316	57.5

## 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	CSBA0100/R5	Verification of Conformity of the Ritar, FT 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)	5-Jul-2024	CSIRO Fire Systems Laboratory, AU
Data sheet	As per Title/description	RITAR® FT12-5S   FT12-55D   FT12-55G   FT12-90   FT12-90D   FT12-90G   FT12-100   FT12-100S   FT12-100D   FT12-100G   FT12-100SD   FT12-105   FT12-105D   FT12-105G   FT12-110   FT12-110D   FT12-110G   FT12-125   FT12-150   FT12-150D   FT12-150G   FT12-160   FT12-160D   FT12-160G   FT12-180   FT12-180D   FT12-180G   FT12-185	5-Jul-2024	Shenzhen Ritar Power Co., Ltd., CN



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 2422</b>	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 (VRLA) 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

Kai Loh  
Executive Officer – ActivFire Scheme



# Schedule to Certificate of Conformity

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

Schedule to

# Certificate of Conformity

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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