



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3908	19-Jul-2024	Number 1	Issue date 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

Kaj Loh
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

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afp - 3908	19-Jul-2024	Number 1	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, 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	
afp - 3908	19-Jul-2024	Number 1	Issue date 23-Aug-2024	30-Apr-2026

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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	Valid until	
afp - 3907	19-Jul-2024	Number 2	Issue date 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.
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Issued by

Kaj Loh
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3907	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, 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.

Model number	Nominal voltage (V)	20 hr rated capacity (ah)	Length (mm)	Width (mm)	Height (mm)	Total height (mm)	Approx. Weight (kg)
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	

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3907	19-Jul-2024	Number 2	Issue date 23-Aug-2024	30-Apr-2026

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 DC12-65 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



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2422	21-May-2010	Number 30	Issue date 23-Aug-2024	30-Apr-2025

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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.

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Issued by

Kaj Loh

Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2422	21-May-2010	Number 30	Issue date 23-Aug-2024	30-Apr-2025
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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

Certificate num.	Registration date	Version	Valid until	
afp - 2422	21-May-2010	Number 30	Issue date 23-Aug-2024	30-Apr-2025

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 <small>(or date validated)</small>	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



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3909	19-Jul-2024	Number 2	Issue date 23-Aug-2024	30-Apr-2026

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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.

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Issued by

Kaj Loh
Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3909	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
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



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3910	19-Jul-2024	Number 2	Issue date 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.
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Executive Officer – ActivFire Scheme



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
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