



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2422	21-May-2010	Number 11	Issue date 1-May-2018	30-Apr-2019
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Product designation

Ritar, RT/RA Series, sealed (valve regulated), lead acid batteries
(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Enirgi Power Storage
Level 1, Building 10, 658 Church Street, RICHMOND, VIC, AUSTRALIA, 3121

Registrant

Enirgi Power Storage
Level 1, Building 10, 658 Church Street, RICHMOND, VIC, AUSTRALIA, 3121

Producer

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

Conformance criteria and evaluation

The Ritar, RT/RA Series, sealed (valve regulated), lead acid batteries has 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.

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

David Whittaker
Executive Officer – ActivFire Scheme



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Producer's description

The Ritar, RT/RA 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 Ritar, RT/RA 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.

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

Battery model	Nominal voltage (V)	Rated capacity (Ahr)	Discharge rate (hr)	Casing length (mm)	Casing width (mm)	Casing height (mm)	Approx. weight (kg)
RT613	6V	1.3	20	97	24	52 (58)	0.31
RT628	6V	2.8	20	66	33	98 (104)	0.60
RT632	6V	3.2	20	134	35	61 (67)	0.65
RT636	6V	3.6	20	194	25	62 (62)	0.65
RT640S	6V	4.0	20	194	25	62 (62)	0.75
RT645	6V	4.5	20	70	47	101 (107)	0.72
RT650	6V	5.0	20	70	47	101 (107)	0.75
RT655	6V	5.5	20	70	47	101 (107)	0.80
RT670	6V	7.0	20	151	34	94 (100)	1.15
RT680	6V	8.0	20	151	34	94 (100)	1.20
RT6100	6V	10.0	20	151	50	95 (101)	1.65
RT6120	6V	12.0	20	151	50	95 (101)	1.80
RT1213	12V	1.3	20	97	43	52 (58)	1.60
RT1223	12V	2.3	20	178	35	61 (67)	1.83
RT1229	12V	2.9	20	80	56	98 (98)	1.1
RT1232	12V	3.2	20	134	67	61 (67)	1.3
RT1245	12V	4.5	20	90	70	101 (107)	1.4
RT1245S	12V	4.5	20	195	47	70 (76)	1.4
RT1248L	12V	4.8	20	90	70	101 (107)	1.6
RT1250	12V	5.0	20	90	70	101 (107)	1.6
RT1250B	12V	5.0	20	151.5	50	95 (101)	1.8
RT1250H	12V	5.0	20	151.8	50	95 (101)	1.85
RT1255	12V	5.5	20	90	70	101 (107)	1.7
RT1255H	12V	5.5	20	90	70	101 (107)	1.7
RT1270	12V	7.0	20	151	65	93.5 (100)	2.0
RT1270H	12V	7.0	20	151	65	93.5 (100)	2.2
RT1272	12V	7.2	20	151	65	93.5 (100)	2.15
RT1272L	12V	7.2	20	151	65	93.5 (100)	2.6
RT1275	12V	7.5	20	151	65	93.5 (100)	2.20
RT1280	12V	8.0	20	151	65	93.5 (100)	2.26
RT1280L	12V	8.0	20	151	65	93.5 (100)	2.60
RT1290	12V	9.0	20	151	65	93.5 (100)	2.55
RT1290H	12V	9.0	20	151	65	93.5 (100)	2.63
RT12100S	12V	10	20	151	65	111 (117)	3.2
RT12100	12V	10	20	151	98	95 (101)	3.2
RT12120	12V	12	20	151	98	95 (101)	3.6
RT1212EV	12V	12	20	151	98	95 (101)	4.2
RT12120L	12V	12	20	151	98	95 (101)	4.05
RT1214EV	12V	14	20	151	98	99 (105)	4.5
RT1215EV	12V	15	20	151	98	99 (105)	4.5
RT1217L	12V	17	20	181	77	167 (167)	6.0
RT12180	12V	18	20	181	77	167 (167)	5.0

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Battery model	Nominal voltage (V)	Rated capacity (Ahr)	Discharge rate (hr)	Casing length (mm)	Casing width (mm)	Casing height (mm)	Approx. weight (kg)
RT1218EV	12V	18	20	181	77	167 (167)	5.9
RT12200	12V	20	20	181	77	167 (167)	5.9
RT12220EV	12V	22	20	181	77	167 (167)	6.0
RT12240EV	12	24	20	182.5	78.5	167 (167)	6.8
RT12260	12V	26	20	166	175	125 (125)	8.0
RT12260S	12V	26	20	165	126	174 (174)	8.8
RT12260D	12V	26	20	166	175	125 (125)	8.1
RT12280	12V	28	20	166	175	125 (125)	8.6
RT12280S	12V	28	20	165	126	174 (174)	10.0
RT12280L	12V	28	20	166	175	125 (125)	8.6
RT12280D	12V	28	20	166	175	125 (125)	8.6
RT12280SD	12V	28	20	165	126	174 (174)	10
RA6-180D	6V	180	10	306	168	222 (227)	28
RA6-200D	6V	200	10	322	177.5	226 (247)	30
RA6-200S	6V	200	10	260	180	247 (252)	30
RA6-225	6V	225	10	322	177.5	226 (247)	31
RA6-225S	6V	225	10	243	187.5	275 (275)	32
RA6-225SD	6V	225	10	243	187.5	275 (275)	32
RA12-33	12V	33	10	195	130	159 (180)	10.2
RA12-33EV	12V	33	10	195	130	159 (180)	10.4
RA12-38	12V	38	10	198	166	171 (171)	12.8
RA12-40	12V	40	10	198	166	171 (171)	13.2
RA12-40	12V	40	10	198	166	171 (171)	13.2
RA12-40H	12V	40	10	198	166	171 (171)	13.5
RA12-40D	12V	40	10	198	166	171 (171)	13.2
RA12-45	12V	45	10	198	166	171 (171)	13.5
RA12-45EV	12V	45	10	198	166	171 (171)	14.6
RA12-55	12V	55	10	229	138	210 (235)	18
RA12-55H	12V	55	10	229	138	210 (235)	18
RA12-55F	12V	55	10	227	106	222 (222)	18
RA12-55D	12V	55	10	229	138	210 (235)	18
RA12-60	12V	60	10	260	169	210 (235)	20.5
RA12-65	12V	65	10	350	167	180 (183)	21
RA12-65H	12V	65	10	350	167	180 (183)	22.5
RA12-65D	12V	65	10	350	167	180 (183)	23
RA12-70	12V	70	10	350	167	180 (183)	22.5
RA12-70S	12V	70	10	260	169	210 (235)	21.5
RA12-75	12V	75	10	260	169	210 (235)	23.5
RA12-75H	12V	75	10	260	169	210 (235)	24.8
RA12-75D	12V	75	10	260	169	210 (235)	23.5
RA12-80	12V	80	10	350	167	180 (183)	24
RA12-80D	12V	80	10	350	167	180 (183)	24
RA12-85	12V	85	10	306.5	168.5	210 (235)	26
RA12-90	12V	90	10	306.5	168.5	210 (235)	28.5
RA12-90F	12V	90	10	563	114	188 (188)	26.5
RA12-90H	12V	90	10	306.5	168.5	210 (235)	29
RA12-90D	12V	90	10	306.5	168.5	210 (235)	28.5
RA12-95	12V	95	10	328	172	222 (227)	28.5
RA12-100	12V	100	10	328	172	222 (227)	30
RA12-100S	12V	100	10	306.5	168.5	210 (235)	29
RA12-100H	12V	100	10	328	172	222 (227)	32
RA12-100SH	12V	100	10	306.5	168.5	210 (235)	31.5
RA12-100D	12V	100	10	328	172	222 (227)	30
RA12-100SD	12V	100	10	306.5	168.5	210 (235)	29
RA12-105F	12V	105	10	508	111	236 (236)	32.5
RA12-110F	12V	110	10	394	109	285 (285)	33
RA12-120	12V	120	10	407	177	225 (225)	35
RA12-120S	12V	120	10	328	172	222 (225)	32
RA12-120H	12V	120	10	407	177	225 (225)	37
RA12-120D	12V	120	10	407	177	225 (225)	35
RA12-120SD	12V	120	10	328	172	222 (225)	32
RA12-125F	12V	125	10	551	109	239 (239)	36
RA12-134	12V	134	10	340	173	280 (285)	41.5

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RA12-134D	12V	134	10	340	173	280 (285)	41.5
RA12-135F	12V	135	10	551	109	239 (239)	41
RA12-145	12V	145	10	340	173	280 (285)	44
RA12-145D	12V	145	10	340	173	280 (285)	44
RA12-150	12V	150	10	483	170	240 (240)	44.5
RA12-150H	12V	150	10	483	170	240 (240)	47
RA12-150SH	12V	150	10	340	173	280 (285)	49
RA12-150F	12V	150	10	555	110	288 (288)	45
RA12-150D	12V	150	10	483	170	240 (240)	44.5
RA12-155F	12V	155	10	555	110	288 (288)	49.5
RA12-155SH	12V	155	10	340	173	280 (285)	49
RA12-160	12V	160	10	530	209	214 (219)	53
RA12-160F	12V	160	10	555	110	288 (288)	49
RA12-160D	12V	160	10	530	209	214 (219)	53
RA12-170F	12V	170	10	560	125	316 (316)	52
RA12-180	12V	180	10	530	209	214 (219)	54
RA12-180F	12V	180	10	560	125	316 (316)	53.5
RA12-180D	12V	180	10	530	209	214 (219)	53
RA12-185F	12V	185	10	560	125	316 (316)	60
RA12-195F	12V	190	10	560	125	316 (316)	57
RA12-200	12V	200	10	522	240	219 (240)	60
RA12-200H	12V	200	10	522	240	219 (240)	62.5
RA12-200D	12V	200	10	522	240	219 (240)	60
RA12-225	12V	225	10	522	240	219 (240)	65
RA12-230	12V	230	10	521	269	203 (208)	67
RA12-240	12V	240	10	522	240	219 (240)	69
RA12-240HL	12V	240	10	522	240	219 (240)	75.5
RA12-260	12V	260	10	520	268	220 (225)	74
RA12-260D	12V	260	10	520	268	220 (225)	74

References

Evaluation for conformity CSIRO Fire Systems report num.: XF2428/R2