



# Certificate of Conformity

| Certificate num.  | Registration date | Version      | Valid until               |             |
|-------------------|-------------------|--------------|---------------------------|-------------|
| <b>afp - 2422</b> | 21-May-2010       | Number<br>26 | Issue date<br>31-Mar-2023 | 30-Apr-2024 |

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## Product designation

**Ritar, RT/RA/DC12/HR/EV/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

### Manufacturing unit (Primary)

Hengyang Ritar Power Co., Ltd  
No. 1 Huagong Road, Songmu Industrial Zone, SHIGU DISTRICT, HENGYANG, HUNAN, CHINA, 421001

### Manufacturing unit (Secondary)

Ritar Power (Vietnam) Co. Ltd  
Lot A21, C4 Rd, Thanh Thanh Cong Industrial Park, An Hoa Village, TRANGE BANG DISTRICT, TAY NINH PROVINCE, VIETNAM

## Conformance criteria and evaluation

The Ritar, RT/RA/DC12/HR/EV/FT 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.

Issued by

Kai Loh

Executive Officer – ActivFire Scheme



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.

# Schedule to Certificate of Conformity

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## Producer's description

The Ritar, RT/RA/DC12/HR/EV/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.

## 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 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                           |

### 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) | Discharge rate (hr) | Casing length (mm) | Casing width (mm) | Casing (Total) height (mm) | Approx. weight (kg) |
|---------------|---------------------|----------------------|---------------------|--------------------|-------------------|----------------------------|---------------------|
| RT613         | 6                   | 1.3                  | 20                  | 97                 | 24                | 52 (58)                    | 0.3                 |
| RT628         | 6                   | 2.8                  | 20                  | 66.5               | 34                | 97 (103)                   | 0.53                |
| RT632         | 6                   | 3.2                  | 20                  | 134                | 34                | 60 (66)                    | 0.6                 |
| RT636         | 6                   | 3.6                  | 20                  | 194                | 25                | 62 (62)                    | 0.65                |
| RT640         | 6                   | 4                    | -                   | 70                 | 47                | 99 (105)                   | 0.6                 |
| RT640S        | 6                   | 4                    | 20                  | 194                | 25                | 62 (62)                    | 0.75                |
| RT645         | 6                   | 4.5                  | 20                  | 70                 | 47                | 99 (105)                   | 0.65                |
| RT650         | 6                   | 5                    | 20                  | 70                 | 47                | 99 (105)                   | 0.7                 |
| RT655         | 6                   | 5.5                  | 20                  | 70                 | 47                | 101 (107)                  | 0.8                 |
| RT670         | 6                   | 7                    | 20                  | 151                | 34                | 94 (100)                   | 1                   |
| RT680         | 6                   | 8                    | 20                  | 151                | 34                | 94 (100)                   | 1.05                |
| RT6100        | 6                   | 10                   | 20                  | 150                | 50                | 93 (99)                    | 1.62                |
| RT6100A       | 6                   | 10                   | -                   | 150                | 50                | 93 (99)                    | 1.48                |
| RT6120        | 6                   | 12                   | 20                  | 150                | 50                | 93 (99)                    | 1.75                |
| RT6120A       | 6                   | 12                   | -                   | 150                | 50                | 93 (99)                    | 1.6                 |
| RT6140        | 6                   | 14                   | -                   | 108                | 71                | 140 (140)                  | 2.27                |
| RT1212EV      | 12                  | 12                   | 20                  | 151                | 98                | 95 (101)                   | 4.2                 |
| RT1213        | 12                  | 1.3                  | 20                  | 98                 | 43.5              | 53 (59)                    | 0.52                |
| RT1214EV      | 12                  | 14                   | 20                  | 151                | 98                | 99 (105)                   | 4.5                 |
| RT1218EV      | 12                  | 18                   | 20                  | 181                | 77                | 167 (167)                  | 5.9                 |
| RT1223        | 12                  | 2.3                  | 20                  | 177                | 35                | 62 (68)                    | 0.85                |
| RT1229        | 12                  | 2.9                  | 20                  | 80                 | 56                | 98 (98)                    | 1.1                 |
| RT1232        | 12                  | 3.2                  | 20                  | 134                | 67                | 60 (66)                    | 1.25                |
| RT1236        | 12                  | 2.9                  | -                   | 102                | 49                | 65 (70.5)                  | 0.98                |
| RT1240        | 12                  | 4                    | -                   | 90                 | 70                | 101 (107)                  | 1.2                 |
| RT1245        | 12                  | 4.5                  | 20                  | 90                 | 70                | 101 (107)                  | a1.3                |
| RT1245U       | 12                  | 4.5                  | -                   | 151                | 65                | 94 (100)                   | 1.45                |
| RT1250        | 12                  | 5                    | 20                  | 90                 | 70                | 101 (107)                  | 1.35                |
| RT1250B       | 12                  | 5                    | 20                  | 151                | 50                | 95 (101)                   | 1.4                 |
| RT1250H       | 12                  | 5.0                  | 20                  | 151.8              | 50                | 95 (101)                   | 1.85                |
| RT1255        | 12                  | 5.5                  | 20                  | 90                 | 70                | 101 (107)                  | 1.7                 |
| RT1255H       | 12                  | 5.5                  | 20                  | 90                 | 70                | 101 (107)                  | 1.7                 |
| RT1270        | 12                  | 7                    | 20                  | 151                | 65                | 94 (100)                   | 1.95                |
| RT1270A       | 12                  | 7                    | -                   | 151                | 65                | 94 (100)                   | 1.9                 |
| RT1270H       | 12                  | 7.0                  | 20                  | 151                | 65                | 93.5 (100)                 | 2.2                 |
| RT1280        | 12                  | 8                    | 20                  | 151                | 65                | 94 (100)                   | 2.08                |
| RT1290EP      | 12                  | 9                    | -                   | 151                | 65                | 94 (100)                   | 2.55                |

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| Battery model | Nominal voltage (V) | Rated capacity (Ahr) | Discharge rate (hr) | Casing length (mm) | Casing width (mm) | Casing (Total) height (mm) | Approx. weight (kg) |
|---------------|---------------------|----------------------|---------------------|--------------------|-------------------|----------------------------|---------------------|
| RT1290        | 12                  | 9                    | 20                  | 151                | 65                | 94 (100)                   | 2.3                 |
| RT1290S       | 12                  | 9                    | -                   | 151                | 65                | 111 (117)                  | 2.45                |
| RT12100S      | 12                  | 10                   | 20                  | 151                | 65                | 111 (117)                  | 3.1                 |
| RT12100       | 12                  | 10                   | 20                  | 151                | 98                | 95 (101)                   | 3.15                |
| RT12100A      | 12                  | 10                   | -                   | 151                | 98                | 95 (101)                   | 2.9                 |
| RT12120       | 12                  | 12                   | 20                  | 151                | 98                | 95 (101)                   | 3.5                 |
| RT12120A      | 12                  | 12                   | -                   | 151                | 98                | 95 (101)                   | 3.15                |
| RT1215EV      | 12                  | 15                   | 20                  | 151                | 98                | 99 (105)                   | 4.5                 |
| RT12180       | 12                  | 18                   | 20                  | 181                | 77                | 167 (167)                  | 5                   |
| RT12180A      | 12                  | 18                   | -                   | 181                | 77                | 167 (167)                  | 4.85                |
| RT12200       | 12                  | 20                   | 20                  | 181                | 77                | 167 (167)                  | 5.4                 |
| RT12220       | 12                  | 22                   | -                   | 181                | 77                | 167 (167)                  | 5.6                 |
| RT12220EV     | 12                  | 22                   | 20                  | 181                | 77                | 167 (167)                  | 6                   |
| RT12240       | 12                  | 24                   | -                   | 166                | 176               | 125 (125)                  | 7                   |
| RT12240EV     | 12                  | 24                   | 20                  | 182.5              | 78.5              | 167 (167)                  | 6.8                 |
| RT12260       | 12                  | 26                   | 20                  | 166                | 176               | 125 (125)                  | 7.4                 |
| RT12260D      | 12                  | 26                   | 20                  | 166                | 175               | 125 (125)                  | 8.1                 |
| RT12240S      | 12                  | 24                   | -                   | 165                | 125               | 174 (174)                  | 7.4                 |
| RT12280       | 12                  | 28                   | -                   | 166                | 176               | 125 (125)                  | 8.1                 |
| RT12280SD     | 12                  | 28                   | 20                  | 165                | 126               | 174 (174)                  | 10                  |
| RT12260S      | 12                  | 26                   | 20                  | 165                | 125               | 174 (174)                  | 8.3                 |
| RT12280S      | 12                  | 28                   | 20                  | 165                | 125               | 174 (174)                  | 8.8                 |
| RT1270EL      | 12                  | 7                    | -                   | 151                | 65                | 94 (100)                   | 2.1                 |
| RT1270L       | 12                  | 7                    | -                   | 151                | 65                | 94 (100)                   | 2.6                 |
| RT12120L      | 12                  | 12                   | -                   | 151                | 98                | 95 (101)                   | 4.05                |
| RT12170L      | 12                  | 17                   | -                   | 181                | 77                | 167 (167)                  | 6                   |
| RT12280L      | 12                  | 28                   | 20                  | 166                | 176               | 125 (125)                  | 8.6                 |
| RA6-100       | 6                   | 100                  | -                   | 194                | 170               | 205 (212)                  | 16.5                |
| RA6-150       | 6                   | 150                  | -                   | 260                | 180               | 245 (252)                  | 22.5                |
| RA6-180       | 6                   | 180                  | -                   | 306                | 168               | 220 (227)                  | 25.5                |
| RA6-180D      | 6                   | 180                  | 10                  | 306                | 168               | 222 (227)                  | 28                  |
| RA6-200       | 6                   | 200                  | -                   | 322                | 177.5             | 226 (231)                  | 28                  |
| RA6-200D      | 6                   | 200                  | 10                  | 322                | 177.5             | 226 (247)                  | 30                  |
| RA6-200S      | 6                   | 200                  | 10                  | 260                | 180               | 245 (252)                  | 26.5                |
| RA6-225       | 6                   | 225                  | 10                  | 322                | 177.5             | 226 (231)                  | 29.5                |
| RA6-225S      | 6                   | 225                  | 10                  | 243                | 187               | 275 (275)                  | 32                  |
| RA6-225SD     | 6                   | 225                  | 10                  | 243                | 187.5             | 275 (275)                  | 32                  |
| RA12-33       | 12                  | 33                   | 10                  | 195                | 130               | 155 (168)                  | 9.6                 |
| RA12-33A      | 12                  | 33                   | -                   | 195                | 130               | 155 (168)                  | 9                   |
| RA12-33EV     | 12                  | 33                   | 10                  | 195                | 130               | 159 (180)                  | 10.4                |
| RA12-35       | 12                  | 35                   | -                   | 195                | 130               | 155 (168)                  | 10.5                |
| RA12-40       | 12                  | 40                   | 10                  | 198                | 166               | 169 (169)                  | 12.4                |
| RA12-40A      | 12                  | 40                   | -                   | 198                | 166               | 169 (169)                  | 11.5                |
| RA12-40D      | 12                  | 40                   | 10                  | 198                | 166               | 171 (171)                  | 13.2                |
| RA12-40H      | 12                  | 40                   | 10                  | 198                | 166               | 171 (171)                  | 13.5                |
| RA12-45       | 12                  | 45                   | 10                  | 198                | 166               | 169 (169)                  | 12.5                |
| RA12-45EV     | 12                  | 45                   | 10                  | 198                | 166               | 171 (171)                  | 14.6                |
| RA12-55       | 12                  | 55                   | 10                  | 229                | 138               | 211 (216)                  | 16.5                |
| RA12-55A      | 12                  | 55                   | -                   | 229                | 138               | 211 (216)                  | 15                  |
| RA12-55D      | 12                  | 55                   | 10                  | 229                | 138               | 210 (235)                  | 18                  |
| RA12-55F      | 12                  | 55                   | 10                  | 227                | 106               | 222 (222)                  | 18                  |
| RA12-55H      | 12                  | 55                   | 10                  | 229                | 138               | 210 (235)                  | 18                  |
| RA12-60       | 12                  | 60                   | 10                  | 260                | 169               | 211 (216)                  | 20.5                |
| RA12-65       | 12                  | 65                   | 10                  | 350                | 167               | 182 (182)                  | 19.5                |
| RA12-65A      | 12                  | 65                   | -                   | 350                | 167               | 182 (182)                  | 17.5                |
| RA12-65D      | 12                  | 65                   | 10                  | 350                | 167               | 180 (183)                  | 23                  |
| RA12-65H      | 12                  | 65                   | 10                  | 350                | 167               | 180 (183)                  | 22.5                |
| RA12-70       | 12                  | 70                   | 10                  | 350                | 167               | 182 (182)                  | 19.5                |
| RA12-70S      | 12                  | 70                   | 10                  | 260                | 169               | 211 (216)                  | 21.5                |
| RA12-75       | 12                  | 75                   | 10                  | 260                | 169               | 210 (235)                  | 23.5                |
| RA12-75D      | 12                  | 75                   | 10                  | 260                | 169               | 210 (235)                  | 23.5                |
| RA12-75H      | 12                  | 75                   | 10                  | 260                | 169               | 210 (235)                  | 24.8                |

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Number **26**      Issue date **31-Mar-2023**

| Battery model | Nominal voltage (V) | Rated capacity (Ahr) | Discharge rate (hr) | Casing length (mm) | Casing width (mm) | Casing (Total) height (mm) | Approx. weight (kg) |
|---------------|---------------------|----------------------|---------------------|--------------------|-------------------|----------------------------|---------------------|
| RA12-80S      | 12                  | 80                   | -                   | 260                | 169               | 211 (216)                  | 22.5                |
| RA12-80SA     | 12                  | 80                   | -                   | 260                | 169               | 211 (216)                  | 22                  |
| RA12-80       | 12                  | 80                   | 10                  | 350                | 167               | 182 (182)                  | 21.5                |
| RA12-80D      | 12                  | 80                   | 10                  | 350                | 167               | 180 (183)                  | 24                  |
| RA12-90F      | 12                  | 90                   | 10                  | 563                | 114               | 188 (188)                  | 26.5                |
| RA12-90H      | 12                  | 90                   | 10                  | 306.5              | 168.5             | 210 (235)                  | 29                  |
| RA12-100H     | 12                  | 100                  | 10                  | 328                | 172               | 222 (227)                  | 32                  |
| RA12-100S     | 12                  | 100                  | 10                  | 306.5              | 168.5             | 210 (215)                  | 27.5                |
| RA12-100SA    | 12                  | 100                  | -                   | 306.5              | 168.5             | 210 (215)                  | 26                  |
| RA12-100SD    | 12                  | 100                  | 10                  | 306.5              | 168.5             | 210 (235)                  | 29                  |
| RA12-100SH    | 12                  | 100                  | 10                  | 306.5              | 168.5             | 210 (235)                  | 31.5                |
| RA12-100      | 12                  | 100                  | 10                  | 328                | 172               | 215 (220)                  | 28.5                |
| RA12-100A     | 12                  | 100                  | -                   | 328                | 172               | 215 (220)                  | 27.5                |
| RA12-100D     | 12                  | 100                  | 10                  | 328                | 172               | 222 (227)                  | 30                  |
| RA12-105F     | 12                  | 105                  | 10                  | 508                | 111               | 236 (236)                  | 32.5                |
| RA12-110F     | 12                  | 110                  | 10                  | 394                | 109               | 285 (285)                  | 33                  |
| RA12-120      | 12                  | 120                  | 10                  | 407                | 177               | 225 (225)                  | 33.5                |
| RA12-120A     | 12                  | 120                  | -                   | 407                | 177               | 225 (225)                  | 32                  |
| RA12-120S     | 12                  | 110                  | 10                  | 328                | 172               | 215 (220)                  | 30.5                |
| RA12-120SA    | 12                  | 110                  | -                   | 328                | 172               | 215 (220)                  | 29                  |
| RA12-120SD    | 12                  | 120                  | 10                  | 328                | 172               | 222 (225)                  | 32                  |
| RA12-125F     | 12                  | 125                  | 10                  | 551                | 109               | 239 (239)                  | 36                  |
| RA12-134      | 12                  | 134                  | 10                  | 340                | 173               | 280 (287)                  | 39                  |
| RA12-134D     | 12                  | 134                  | 10                  | 340                | 173               | 280 (285)                  | 41.5                |
| RA12-145      | 12                  | 145                  | 10                  | 340                | 173               | 280 (287)                  | 41.5                |
| RA12-145D     | 12                  | 145                  | 10                  | 340                | 173               | 280 (285)                  | 44                  |
| RA12-150      | 12                  | 150                  | 10                  | 483                | 170               | 241 (241)                  | 44                  |
| RA12-150A     | 12                  | 150                  | -                   | 483                | 170               | 241 (241)                  | 40.5                |
| RA12-150D     | 12                  | 150                  | 10                  | 483                | 170               | 240 (240)                  | 44.5                |
| RA12-150F     | 12                  | 150                  | 10                  | 555                | 110               | 288 (288)                  | 45                  |
| RA12-150H     | 12                  | 150                  | 10                  | 483                | 170               | 240 (240)                  | 47                  |
| RA12-150SH    | 12                  | 150                  | 10                  | 340                | 173               | 280 (285)                  | 49                  |
| RA12-160      | 12                  | 160                  | 10                  | 532                | 207               | 214 (219)                  | 48.5                |
| RA12-160A     | 12                  | 160                  | -                   | 532                | 207               | 214 (219)                  | 46                  |
| RA12-160D     | 12                  | 160                  | 10                  | 530                | 209               | 214 (219)                  | 53                  |
| RA12-160F     | 12                  | 160                  | 10                  | 555                | 110               | 288 (288)                  | 49                  |
| RA12-180      | 12                  | 180                  | 10                  | 532                | 207               | 214 (219)                  | 51                  |
| RA12-180A     | 12                  | 180                  | -                   | 532                | 207               | 214 (219)                  | 48.5                |
| RA12-180D     | 12                  | 180                  | 10                  | 530                | 209               | 214 (219)                  | 53                  |
| RA12-180F     | 12                  | 180                  | 10                  | 560                | 125               | 316 (316)                  | 53.5                |
| RA12-185F     | 12                  | 185                  | 10                  | 560                | 125               | 316 (316)                  | 60                  |
| RA12-200      | 12                  | 200                  | 10                  | 522                | 240               | 219 (224)                  | 58                  |
| RA12-200A     | 12                  | 200                  | -                   | 522                | 240               | 219 (224)                  | 55.5                |
| RA12-200D     | 12                  | 200                  | 10                  | 522                | 240               | 219 (240)                  | 60                  |
| RA12-200H     | 12                  | 200                  | 10                  | 522                | 240               | 219 (240)                  | 62.5                |
| RA12-225      | 12                  | 225                  | 10                  | 522                | 240               | 219 (224)                  | 63                  |
| RA12-230      | 12                  | 230                  | 10                  | 521                | 269               | 204 (209)                  | 67                  |
| RA12-240      | 12                  | 240                  | 10                  | 522                | 240               | 219 (224)                  | 66.5                |
| RA12-240HL    | 12                  | 240                  | 10                  | 522                | 240               | 219 (240)                  | 75.5                |
| RA12-260      | 12                  | 260                  | 10                  | 521                | 268               | 220 (225)                  | 71                  |
| RA12-260D     | 12                  | 260                  | 10                  | 520                | 268               | 220 (225)                  | 74                  |
| DC12-26       | 12                  | 26                   | -                   | 166                | 176               | 125 (125)                  | 8.1                 |
| DC12-26S      | 12                  | 26                   | -                   | 165                | 125               | 174 (174)                  | 8.3                 |
| DC12-28S      | 12                  | 28                   | -                   | 165                | 125               | 174 (174)                  | 8.8                 |
| DC6-180       | 6                   | 180                  | -                   | 306                | 168               | 220 (227)                  | 25.6                |
| DC6-200       | 6                   | 200                  | -                   | 322                | 177.5             | 226 (231)                  | 29                  |
| DC6-225       | 6                   | 225                  | -                   | 322                | 177.5             | 226 (231)                  | 32                  |
| DC6-225S      | 6                   | 225                  | -                   | 243                | 187               | 275 (275)                  | 32                  |
| DC12-30       | 12                  | 30                   | -                   | 195                | 130               | 155 (168)                  | 8.9                 |
| DC12-40       | 12                  | 40                   | -                   | 198                | 166               | 169 (169)                  | 12.4                |
| DC12-40A      | 12                  | 40                   | -                   | 198                | 166               | 169 (169)                  | 11.5                |
| DC12-50       | 12                  | 50                   | -                   | 250                | 160               | 178 (183)                  | 15.5                |

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| Battery model | Nominal voltage (V) | Rated capacity (Ahr) | Discharge rate (hr) | Casing length (mm) | Casing width (mm) | Casing (Total) height (mm) | Approx. weight (kg) |
|---------------|---------------------|----------------------|---------------------|--------------------|-------------------|----------------------------|---------------------|
| DC12-55       | 12                  | 55                   | -                   | 229                | 138               | 211 (216)                  | 16.5                |
| DC12-55A      | 12                  | 55                   | -                   | 229                | 138               | 211 (216)                  | 15                  |
| DC12-65       | 12                  | 65                   | -                   | 350                | 167               | 182 (182)                  | 19.5                |
| DC12-80       | 12                  | 80                   | -                   | 350                | 167               | 182 (182)                  | 22.3                |
| DC12-100S     | 12                  | 100                  | -                   | 306.5              | 168.5             | 210 (215)                  | 27                  |
| DC12-100SA    | 12                  | 100                  | -                   | 306.5              | 168.5             | 210 (215)                  | 26                  |
| DC12-100      | 12                  | 100                  | -                   | 328                | 172               | 215 (220)                  | 29                  |
| DC12-100A     | 12                  | 100                  | -                   | 328                | 172               | 215 (220)                  | 27.5                |
| DC12-120      | 12                  | 120                  | -                   | 407                | 177               | 225 (225)                  | 33.5                |
| DC12-120A     | 12                  | 120                  | -                   | 407                | 177               | 225 (225)                  | 32                  |
| DC12-120S     | 12                  | 114                  | -                   | 328                | 172               | 215 (220)                  | 30                  |
| DC12-120SA    | 12                  | 114                  | -                   | 328                | 172               | 215 (220)                  | 29                  |
| DC12-134      | 12                  | 134                  | -                   | 340                | 173               | 280 (287)                  | 39                  |
| DC12-145      | 12                  | 145                  | -                   | 340                | 173               | 280 (287)                  | 41.5                |
| DC12-150      | 12                  | 150                  | -                   | 483                | 170               | 241 (241)                  | 44                  |
| DC12-150A     | 12                  | 150                  | -                   | 483                | 170               | 241 (241)                  | 40.5                |
| DC12-160      | 12                  | 160                  | -                   | 532                | 207               | 214 (219)                  | 48                  |
| DC12-160A     | 12                  | 160                  | -                   | 532                | 207               | 214 (219)                  | 46                  |
| DC12-180      | 12                  | 180                  | -                   | 532                | 207               | 214 (219)                  | 51                  |
| DC12-180A     | 12                  | 180                  | -                   | 532                | 207               | 214 (219)                  | 48.5                |
| DC12-190      | 12                  | 190                  | -                   | 532                | 207               | 214 (219)                  | 56                  |
| DC12-190H     | 12                  | 190                  | -                   | 532                | 207               | 214 (219)                  | 61.5                |
| DC12-200      | 12                  | 200                  | -                   | 522                | 240               | 219 (224)                  | 59                  |
| DC12-200A     | 12                  | 200                  | -                   | 522                | 240               | 219 (224)                  | 56                  |
| DC12-225      | 12                  | 225                  | -                   | 522                | 240               | 219 (224)                  | 63                  |
| DC12-230      | 12                  | 230                  | -                   | 521                | 269               | 204 (209)                  | 67                  |
| DC12-260      | 12                  | 260                  | -                   | 521                | 268               | 220 (225)                  | 72                  |
| HR6-16W       | 6                   | 4                    | 20                  | 70                 | 47                | 105                        | 0.68                |
| HR6-18W       | 6                   | 4.5                  | 20                  | 70                 | 47                | 105                        | 0.7                 |
| HR6-22W       | 6                   | 5.5                  | 20                  | 70                 | 47                | 105                        | 0.75                |
| HR6-28W       | 6                   | 7                    | 20                  | 151                | 34                | 100                        | 1.1                 |
| HR6-32W       | 6                   | 8                    | 20                  | 151                | 34                | 100                        | 1.15                |
| HR6-36W       | 6                   | 9                    | 20                  | 151                | 34                | 100                        | 1.35                |
| HR12-16W      | 12                  | 4                    | 20                  | 90                 | 70                | 107                        | 1.32                |
| HR12-18W      | 12                  | 4.5                  | 20                  | 90                 | 70                | 107                        | 1.5                 |
| HR12-22W      | 12                  | 5.5                  | 20                  | 90                 | 70                | 107                        | 1.55                |
| HR12-28W      | 12                  | 7                    | 20                  | 151                | 65                | 100                        | 2.08                |
| HR12-32W      | 12                  | 8                    | 20                  | 151                | 65                | 100                        | 2.2                 |
| HR12-36W      | 12                  | 9                    | 20                  | 151                | 65                | 100                        | 2.45                |
| HR12-48W      | 12                  | 12                   | 20                  | 151                | 98                | 101                        | 3.15                |
| HR12-50W      | 12                  | 14                   | 20                  | 181                | 77                | 167                        | 4.2                 |
| HR12-60W      | 12                  | 17                   | 20                  | 181                | 77                | 167                        | 4.7                 |
| HR12-70W      | 12                  | 18                   | 20                  | 181                | 77                | 167                        | 5.35                |
| HR12-80W      | 12                  | 18                   | 20                  | 181                | 77                | 167                        | 6.2                 |
| HR12-88W      | 12                  | 22                   | 20                  | 181                | 77                | 167                        | 6.2                 |
| HR12-96W      | 12                  | 24                   | 20                  | 166                | 176               | 125                        | 8.1                 |
| HR12-104W     | 12                  | 26                   | 20                  | 166                | 176               | 125                        | 8.6                 |
| HR12-125W     | 12                  | 33                   | 20                  | 195                | 130               | 168                        | 10                  |
| HR12-150W     | 12                  | 40                   | 20                  | 198                | 166               | 169                        | 12.4                |
| HR12-200W     | 12                  | 55                   | 20                  | 229                | 138               | 216                        | 16.5                |
| HR12-200WA    | 12                  | 55                   | 20                  | 229                | 138               | 216                        | 15.5                |
| HR12-240W     | 12                  | 65                   | 20                  | 350                | 167               | 182                        | 19.5                |
| HR12-240WA    | 12                  | 65                   | 20                  | 350                | 167               | 182                        | 17.5                |
| HR12-280W     | 12                  | 75                   | 20                  | 260                | 169               | 216                        | 24.8                |
| HR12-280WA    | 12                  | 75                   | 20                  | 260                | 169               | 216                        | 24.5                |
| HR12-340W     | 12                  | 90                   | 20                  | 306.5              | 168.5             | 215                        | 29                  |
| HR12-340WA    | 12                  | 90                   | 20                  | 306.5              | 168.5             | 215                        | 29                  |
| HR12-380W     | 12                  | 100                  | 20                  | 328                | 172               | 220                        | 30.5                |
| HR12-380WA    | 12                  | 100                  | 20                  | 328                | 172               | 220                        | 29                  |
| HR12-380SW    | 12                  | 120                  | 20                  | 306.5              | 168.5             | 215                        | 30                  |
| HR12-450W     | 12                  | 120                  | 20                  | 407                | 177               | 225                        | 36.5                |
| HR12-450WA    | 12                  | 145                  | 20                  | 407                | 177               | 225                        | 34.5                |

# Schedule to Certificate of Conformity

|                   |                   |              |                           |             |
|-------------------|-------------------|--------------|---------------------------|-------------|
| Certificate num.  | Registration date | Version      | Valid until               |             |
| <b>afp - 2422</b> | 21-May-2010       | Number<br>26 | Issue date<br>31-Mar-2023 | 30-Apr-2024 |

| Battery model | Nominal voltage (V) | Rated capacity (Ahr) | Discharge rate (hr) | Casing length (mm) | Casing width (mm) | Casing (Total) height (mm) | Approx. weight (kg) |
|---------------|---------------------|----------------------|---------------------|--------------------|-------------------|----------------------------|---------------------|
| HR12-520W     | 12                  | 145                  | 20                  | 340                | 173               | 287                        | 44                  |
| HR12-520WA    | 12                  | 155                  | 20                  | 340                | 173               | 287                        | 41                  |
| HR12-580W     | 12                  | 155                  | 20                  | 340                | 173               | 287                        | 47                  |
| HR12-580WA    | 12                  | 150                  | 20                  | 340                | 173               | 287                        | 43                  |
| HR12-570W     | 12                  | 150                  | 20                  | 483                | 170               | 241                        | 46                  |
| HR12-570WA    | 12                  | 150                  | 20                  | 483                | 170               | 241                        | 43                  |
| HR12-570SW    | 12                  | 180                  | 20                  | 340                | 173               | 287                        | 45                  |
| HR12-620W     | 12                  | 180                  | 20                  | 532                | 207               | 219                        | 56                  |
| HR12-620WA    | 12                  | 200                  | 20                  | 532                | 207               | 219                        | 53                  |
| HR12-650W     | 12                  | 200                  | 20                  | 522                | 240               | 224                        | 61                  |
| HR12-650WA    | 12                  | 225                  | 20                  | 522                | 240               | 224                        | 58                  |
| HR12-690W     | 12                  | 225                  | 20                  | 522                | 240               | 224                        | 63.5                |
| HR12-690WA    | 12                  | 240                  | 20                  | 522                | 240               | 224                        | 61                  |
| HR12-780W     | 12                  | 260                  | 20                  | 522                | 240               | 224                        | 72                  |
| HR12-850W     | 12                  | 200                  | 20                  | 521                | 268               | 225                        | 80.5                |
| HR2-500W      | 2                   | 250                  | 20                  | 171                | 111               | 351                        | 11                  |
| HR2-650W      | 2                   | 300                  | 20                  | 171                | 111               | 351                        | 14                  |
| HR2-750W      | 2                   | 400                  | 20                  | 171                | 150               | 353                        | 16                  |
| HR2-1000W     | 2                   | 500                  | 20                  | 171                | 150               | 353                        | 19                  |
| HR2-1250W     | 2                   | 600                  | 20                  | 211                | 176               | 351                        | 25.5                |
| HR2-1500W     | 2                   | 800                  | 20                  | 241                | 172               | 353                        | 29.5                |
| HR2-2000W     | 2                   | 1000                 | 20                  | 301                | 175               | 353                        | 38.5                |
| HR2-2500W     | 2                   | 1200                 | 20                  | 410                | 175               | 351                        | 51                  |
| HR2-3000W     | 2                   | 1250                 | 20                  | 473                | 174               | 353                        | 59.5                |
| EV12-10       | 12                  | 10                   | -                   | 151                | 98                | 101                        | 3.85                |
| EV12-12       | 12                  | 12                   | -                   | 151                | 98                | 101                        | 4.2                 |
| EV12-14       | 12                  | 14                   | -                   | 151                | 98                | 105                        | 4.2                 |
| EV12-18       | 12                  | 18                   | -                   | 181                | 77                | 167                        | 5.9                 |
| EV12-22       | 12                  | 22                   | -                   | 181                | 77                | 167                        | 6.2                 |
| EV12-22       | 12                  | 22                   | -                   | 181                | 77                | 170                        | 6.2                 |
| EV12-24       | 12                  | 24                   | -                   | 182.5              | 78.5              | 170                        | 7                   |
| EV12-24X      | 12                  | 24                   | -                   | 181                | 77                | 170                        | 7                   |
| EV12-26       | 12                  | 26                   | -                   | 166                | 176               | 125                        | 8.6                 |
| EV6-180       | 6                   | 180                  | -                   | 306                | 168               | 227                        | 28                  |
| EV6-200S      | 6                   | 200                  | -                   | 306                | 168               | 227                        | 29                  |
| EV6-200       | 6                   | 200                  | -                   | 322                | 177.5             | 231                        | 30                  |
| EV6-205       | 6                   | 205                  | -                   | 260                | 180               | 264                        | 29                  |
| EV6-225S      | 6                   | 225                  | -                   | 260                | 180               | 264                        | 31.5                |
| EV6-210       | 6                   | 210                  | -                   | 322                | 177.5             | 231                        | 32                  |
| EV6-220       | 6                   | 220                  | -                   | 306                | 168               | 227                        | 32                  |
| EV6-225       | 6                   | 225                  | -                   | 260                | 180               | 282                        | 32                  |
| EV6-240       | 6                   | 240                  | -                   | 260                | 180               | 282                        | 35.3                |
| EV6-310       | 6                   | 310                  | -                   | 295                | 178               | 364                        | 44.5                |
| EV6-335       | 6                   | 335                  | -                   | 295                | 178               | 364                        | 48                  |
| EV6-400       | 6                   | 400                  | -                   | 295                | 178               | 423                        | 57                  |
| EV8-170       | 8                   | 170                  | -                   | 260                | 182               | 314                        | 34.5                |
| EV8-170S      | 8                   | 170                  | -                   | 260                | 182               | 272                        | 34.5                |
| EV8-200       | 8                   | 200                  | -                   | 260                | 182               | 314                        | 38                  |
| EV12-33       | 12                  | 33                   | -                   | 195                | 130               | 168                        | 9.6                 |
| EV12-45       | 12                  | 45                   | -                   | 198                | 166               | 169                        | 14.6                |
| EV12-55       | 12                  | 55                   | -                   | 229                | 138               | 216                        | 16.5                |
| EV12-75       | 12                  | 75                   | -                   | 260                | 169               | 216                        | 22.5                |
| EV12-100S     | 12                  | 100                  | -                   | 306.5              | 168.5             | 215                        | 30                  |
| EV12-110      | 12                  | 110                  | -                   | 328                | 172               | 220                        | 30.5                |
| EV12-120      | 12                  | 120                  | -                   | 407                | 177               | 225                        | 36.5                |
| EV12-150      | 12                  | 150                  | -                   | 483                | 170               | 241                        | 44.5                |
| EV12-180      | 12                  | 180                  | -                   | 532                | 207               | 219                        | 53                  |
| EV12-180S     | 12                  | 180                  | -                   | 483                | 170               | 241                        | 52                  |
| EV12-200      | 12                  | 200                  | -                   | 522                | 240               | 224                        | 61                  |
| EV12-215      | 12                  | 215                  | -                   | 382                | 179               | 370                        | 63.5                |
| EV12-215S     | 12                  | 215                  | -                   | 382                | 179               | 370                        | 63.5                |
| EV12-240      | 12                  | 240                  | -                   | 522                | 240               | 224                        | 65                  |

# Schedule to Certificate of Conformity

|                   |                   |              |                           |             |
|-------------------|-------------------|--------------|---------------------------|-------------|
| Certificate num.  | Registration date | Version      | Valid until               |             |
| <b>afp - 2422</b> | 21-May-2010       | Number<br>26 | Issue date<br>31-Mar-2023 | 30-Apr-2024 |

| Battery model | Nominal voltage (V) | Rated capacity (Ahr) | Discharge rate (hr) | Casing length (mm) | Casing width (mm) | Casing (Total) height (mm) | Approx. weight (kg) |
|---------------|---------------------|----------------------|---------------------|--------------------|-------------------|----------------------------|---------------------|
| EV12-280      | 12                  | 280                  | -                   | 521                | 268               | 225                        | 78                  |
| EV12-300      | 12                  | 300                  | -                   | 521                | 268               | 225                        | 78                  |
| FT12-55       | 12                  | 55                   | -                   | 291                | 106               | 230                        | 18                  |
| FT12-55A      | 12                  | 55                   | -                   | 291                | 106               | 230                        | 16.8                |
| FT12-90       | 12                  | 90                   | -                   | 562                | 114               | 188                        | 26.5                |
| FT12-90A      | 12                  | 90                   | -                   | 562                | 114               | 188                        | 24                  |
| FT12-100      | 12                  | 100                  | -                   | 508                | 110               | 236                        | 28.5                |
| FT12-100A     | 12                  | 100                  | -                   | 508                | 110               | 236                        | 27                  |
| FT12-100S     | 12                  | 100                  | -                   | 410                | 109               | 293                        | 31                  |
| FT12-100SA    | 12                  | 100                  | -                   | 410                | 109               | 293                        | 28.5                |
| FT12-105      | 12                  | 105                  | -                   | 508                | 110               | 236                        | 32.5                |
| FT12-105A     | 12                  | 105                  | -                   | 508                | 110               | 236                        | 29                  |
| FT12-110      | 12                  | 110                  | -                   | 410                | 109               | 293                        | 31.2                |
| FT12-110A     | 12                  | 110                  | -                   | 410                | 109               | 293                        | 29.5                |
| FT12-150      | 12                  | 150                  | -                   | 565                | 110               | 288                        | 43.5                |
| FT12-150A     | 12                  | 150                  | -                   | 565                | 110               | 288                        | 39.5                |
| FT12-160      | 12                  | 160                  | -                   | 565                | 110               | 288                        | 47                  |
| FT12-180      | 12                  | 180                  | -                   | 560                | 125               | 316                        | 52                  |
| FT12-180A     | 12                  | 180                  | -                   | 560                | 125               | 316                        | 48                  |
| FT12-185      | 12                  | 185                  | -                   | 560                | 125               | 316                        | 54                  |
| FT12-200      | 12                  | 200                  | -                   | 560                | 125               | 316                        | 57.5                |
| FT12-200A     | 12                  | 200                  | -                   | 560                | 125               | 316                        | 54                  |
| FT12-55D      | 12                  | 55                   | -                   | 291                | 106               | 230                        | 18                  |
| FT12-90D      | 12                  | 90                   | -                   | 562                | 114               | 188                        | 26.5                |
| FT12-100D     | 12                  | 100                  | -                   | 508                | 110               | 236                        | 28.5                |
| FT12-100SD    | 12                  | 100                  | -                   | 410                | 109               | 293                        | 31                  |
| FT12-105D     | 12                  | 105                  | -                   | 508                | 110               | 236                        | 32.5                |
| FT12-110D     | 12                  | 110                  | -                   | 410                | 109               | 293                        | 31.2                |
| FT12-150D     | 12                  | 150                  | -                   | 565                | 110               | 288                        | 43.5                |
| FT12-160D     | 12                  | 160                  | -                   | 565                | 110               | 288                        | 47                  |
| FT12-180D     | 12                  | 180                  | -                   | 560                | 125               | 316                        | 52                  |
| FT12-185D     | 12                  | 185                  | -                   | 560                | 125               | 316                        | 56                  |
| FT12-55G      | 12                  | 55                   | -                   | 291                | 106               | 230                        | 18                  |
| FT12-90G      | 12                  | 90                   | -                   | 562                | 114               | 188                        | 26.5                |
| FT12-100G     | 12                  | 100                  | -                   | 508                | 110               | 236                        | 28.5                |
| FT12-105G     | 12                  | 105                  | -                   | 508                | 110               | 236                        | 32.5                |
| FT12-110G     | 12                  | 110                  | -                   | 410                | 109               | 293                        | 31.2                |
| FT12-150G     | 12                  | 150                  | -                   | 565                | 110               | 288                        | 43.5                |
| FT12-160G     | 12                  | 160                  | -                   | 565                | 110               | 288                        | 47                  |
| FT12-180G     | 12                  | 180                  | -                   | 560                | 125               | 316                        | 52                  |

## 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<br>(or date validated) | Source                                  |
|---------------|-----------|------------------------------------------------------------------------------------------------|------------------------------------|-----------------------------------------|
| Ident. type   | Ident.    |                                                                                                |                                    |                                         |
| Report number | XF2428/R2 | Evaluation for Conformity<br>Ritar RT/RA Series Batteries<br>to ActivFire Specification TS-001 | 22-Apr-2010                        | CSIRO, Industrial Research Services, AU |