



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3601	18-Jun-2021	Number 2	Issue date 24-Mar-2023	30-Apr-2024

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Product designation

Predator, ES Series, sealed lead acid batteries

(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

R & J Batteries
852 Latrobe Street, BALLARAT, VIC, AUSTRALIA, 3350

Registrant

R & J Batteries
852 Latrobe Street, BALLARAT, VIC, AUSTRALIA, 3350

Producer

Leoch Battery Pte. Ltd.
1 Tech Park Crescent, SINGAPORE, 638131

Conformance criteria and evaluation

The Predator, ES Series, sealed 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.

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.

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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Producer's description

The Predator, ES Series, sealed lead acid batteries are a multi-purpose AGM batteries suitable for stand-by or float applications. They are designed for everyday use, general and light cycling duties. With 6 volt and 12 volt sizes available from 1.3Ah up to 260Ah there is a Predator ES battery available to meet general purpose or stand-by needs.

Technical specification

The following details are a representative extract of the technical specification for the Predator, ES Series, sealed 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.

SKU (Model)	Voltage	Nominal capacity	Dimensions				Weight	Terminal	Nominal Capacity	
			Length	Width	Height				20 Hr	10 Hr
					Case	Total				
ES613	6 V	1.2 Ah	97 mm	24 mm	52 mm	58 mm	0.29 kg	Spade	1.2 Ah	1.13 Ah
ES650A	6 V	5.4 Ah	70 mm	47 mm	100 mm	106 mm	.80 kg	Spade	5.4 Ah	5.06 Ah
ES670	6 V	7 Ah	151 mm	34 mm	94 mm	100 mm	1.1 kg	Spade	7 Ah	6.62 Ah
ES6120	6 V	12 Ah	151 mm	50 mm	94 mm	100 mm	1.6 kg	Spade	12 Ah	11.2 Ah
ES1213	12 V	1.2 Ah	97 mm	43 mm	52 mm	58 mm	0.57 kg	Spade	1.2 Ah	1.13 Ah
ES1223	12 V	2.3 Ah	178 mm	35 mm	60 mm	66 mm	0.97 kg	Spade	2.3 Ah	2.16 Ah
ES1229	12 V	2.9 Ah	79 mm	56 mm	99 mm	105 mm	1.1 kg	Spade	2.9 Ah	2.7 Ah
ES1233	12 V	3.5 Ah	134 mm	67 mm	60 mm	66 mm	1.35 kg	Spade	3.5 Ah	3.31 Ah
ES1250	12 V	5.4 Ah	90 mm	70 mm	101 mm	107 mm	1.8 kg	Spade	5.4 Ah	5.11 Ah
ES1272	12 V	7 Ah	151 mm	65 mm	94 mm	100 mm	2.17 kg	Spade	7 Ah	6.62 Ah
ES1290	12 V	9 Ah	151 mm	65 mm	94 mm	100 mm	2.6 kg	Spade	9 Ah	8.51 Ah
ES12100	12 V	10 Ah	151 mm	65 mm	111 mm	117 mm	3.07	Spade	10 Ah	9.46 Ah
ES12120	12 V	12 Ah	151 mm	98 mm	95 mm	101 mm	3.43 kg	Spade	12 Ah	11.4 Ah
ES12180	12 V	18 Ah	182 mm	77 mm	156 mm	168 mm	5.35 kg	M5	18 Ah	17 Ah
ES12220	12 V	20 Ah	182 mm	77 mm	168 mm	168 mm	5.78 kg	M5	20 Ah	18.6 Ah
ES12260	12 V	26 Ah	166 mm	175 mm	125 mm	125 mm	7.8 kg	M5	26 Ah	24.6 Ah
ES12350	12 V	35 Ah	195 mm	130 mm	164 mm	178 mm	11.2 kg	M5	35 Ah	32.6 Ah
ES12450	12 V	45 Ah	197 mm	165 mm	170 mm	170 mm	14.2 kg	M6	47.8 Ah	45 Ah
ES12550	12 V	55 Ah	229 mm	138 mm	205 mm	211 mm	16.2 kg	M6	57.8 Ah	55 Ah
ES12850	12 V	80 Ah	260 mm	168 mm	208 mm	214 mm	23.8 kg	M8	85.6 Ah	80 Ah
ES121000	12 V	100 Ah	306 mm	168 mm	208 mm	214 mm	28.2 kg	M8	100 Ah	90 Ah
ES121200	12 V	120 Ah	330 mm	173 mm	212 mm	220 mm	31.2 kg	M8	120 Ah	110 Ah
ES122200	12 V	230 Ah	522 mm	240 mm	218 mm	224 mm	64.5 kg	M8	238 Ah	225 Ah
ES122600	12 V	260 Ah	522 mm	268 mm	220 mm	226 mm	72.8 kg	M8	262 Ah	250 Ah

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	XL3426/R1	Evaluation for conformity of the Predator, ES Series, sealed lead acid batteries to the requirements of TS001, Version 1.1, 17-Jul-2006	4-Jun-2021	CSIRO Fire Systems Laboratory, AU
Data Summary Sheet	Predator ES Series Product Data Summary.pdf	Predator ES Series AGM Battery Specifications (Predator ES Series Product Data Summary.pdf)	5-May-2021	R & J Batteries, AU
Catalog	Predator ES Series.pdf	Predator AGM Batteries General Purpose and Deep Cycle AGM Batteries ES & ED Series (Predator ES Series.pdf)	3-Aug-2020	