



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 2430	15-Jun-2010	Number 15	Issue date 2-Jul-2024	30-Apr-2025

Product designation

Fullriver, HGL Series, valve regulated 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

Guangdong Fullriver Industry Co. Ltd
Taishi Industrial Area, Yu Wo Tou Town, Panyu Zone, GUANGZHOU, GUANG DONG PROVINCE, CHINA, 511475

Producer

Guangdong Fullriver Industry Co. Ltd
Taishi Industrial Area, Yu Wo Tou Town, Panyu Zone, GUANGZHOU, GUANG DONG PROVINCE, CHINA, 511475

Conformance criteria and evaluation

The Fullriver, HGL Series, valve regulated sealed 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.

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 Fullriver, HGL Series, valve regulated sealed lead acid batteries utilize an electrolyte suspension system consisting of high porosity, glass fibre material which in conjunction with plates, totally absorb and contain the electrolyte. No silica gels or any other contaminants are used. Fullriver batteries incorporate a built-in design that controls gas generation.

The batteries are equipped with safety release valves, designed to operate between 2 and 5 psi and automatically reseal.

For cyclic use, a service life of 1000 discharge/recharge cycles can be realized, dependent on the average depth of discharge. For float applications, this equipment has an expected life span of 3 to 5 years.

Technical specification

The following details are a representative extract of the technical specification for the Fullriver, HGL Series, valve regulated 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.

Part number	Nominal voltage (V)	20 hr rated capacity (ah)	Length (mm)	Width (mm)	Height (mm)	Total height (mm)	Approx. Weight (kg)
HGL7.2-12	12	7.2	151	65	99	101	2.30
HGL12-12		12	151	99	95	101	3.75
HGL18-12		18	181	77	167	167	5.50
HGL26-12B		26	165	176	125	125	7.80
HGL28-12		28	166	126	174	174	8.60
HGL35-12		35	196	131	155	167	10.30
HGL45-12		45	198	166	174	174	13.50
HGL75-12		75	260	169	211	215	23.10
HGL100-12C		100	307	169	211	215	30.60
HGL120-12B		120	331	175	214	218	32.00
HGL200-12		200	530	209	214	218	57.60
HGL260-12		260	521	269	220	224	75.50

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	CSBA0132/R1	Verification of Conformity of the Fullriver, HGL Series, valve regulated sealed 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)	28-Jun-2024	CSIRO Fire Systems Laboratory, AU
Data sheet	As per Title / description	FULLRIVER BATTERY PRODUCT DATA SHEET HGL7.2-12 HGL12-12 HGL18-12 HGL26-12B HGL28-12 HGL28-12 HGL35-12 HGL45-12 HGL75-12 HGL100-12C HGL120-12B HGL200-12 HGL260-12	15-Sep-2022	Guangdong Fullriver Industry Co. Ltd., CN