



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
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Product designation

Discover, D Series (Deep Cycle), valve regulated sealed lead acid batteries
(Refer to the Schedule/enclosures for further specified details)

Agent/distributor

Power Source Pty Ltd
Unit 1, 11-13 Allan Street, LOGANHOLME, QLD, AUSTRALIA, 4129

Registrant

Discover Energy Corp.
Suite 880, 999 West Broadway, VANCOUVER, BC, CANADA, V5Z 1K5

Producer

Discover Energy Corp.
Suite 880, 999 West Broadway, VANCOUVER, BC, CANADA, V5Z 1K5

Conformance criteria and evaluation

The Discover, D Series (Deep Cycle), valve regulated 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.

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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Technical specification

The following details are a representative extract of the technical specification for the Discover, D Series (Deep Cycle), 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 num	Nominal terminal voltage	Nominal Capacity, C/20 discharge rate	Length	Width	Height	Terminal height	Weight
D21000D	2 V	110 Ah	171.0 mm	72.0 mm	206.0 mm	211.0 mm	6.0 kg
D21500D	2 V	160 Ah	171.0 mm	102.0 mm	206.0 mm	227.0 mm	8.1 kg
D22000D	2 V	215 Ah	173.0 mm	111.0 mm	330.0 mm	364.0 mm	13.5 kg
D23000D	2 V	325 Ah	171.0 mm	151.0 mm	330.0 mm	364.0 mm	18.5 kg
D24000D	2 V	430 Ah	210.0 mm	176.0 mm	330.0 mm	367.0 mm	25.5 kg
D25000D	2 V	540 Ah	241.0 mm	175.0 mm	330.0 mm	365.0 mm	32.0 kg
D26000D	2 V	645 Ah	302.0 mm	175.0 mm	330.0 mm	367.0 mm	37.0 kg
D28000D	2 V	860 Ah	410.0 mm	175.0 mm	330.0 mm	367.0 mm	52.0 kg
D210000D	2 V	1075 Ah	475.0 mm	175.0 mm	330.0 mm	367.0 mm	62.0 kg
D212000D	2 V	1290 Ah	475.0 mm	175.0 mm	330.0 mm	367.0 mm	71.0 kg
D215000D	2 V	1615 Ah	400.0 mm	350.0 mm	345.0 mm	382.0 mm	94.0 kg
D220000D	2 V	2150 Ah	490.0 mm	350.0 mm	345.0 mm	382.0 mm	123.0 kg
D225000D	2 V	2690 Ah	490.0 mm	350.0 mm	345.0 mm	382.0 mm	140.0 kg
D230000D	2 V	3225 Ah	710.0 mm	350.0 mm	345.0 mm	382.0 mm	190.0 kg
D6720D	6 V	7 Ah	151.0 mm	34.0 mm	94.0 mm	100.0 mm	1.2 kg
D6100D	6 V	10 Ah	151.0 mm	50.0 mm	94.0 mm	100.0 mm	1.6 kg
D6120D	6 V	12 Ah	151.0 mm	50.0 mm	94.0 mm	100.0 mm	1.8 kg
D62000D	6 V	208 Ah	306.0 mm	168.0 mm	220.0 mm	226.0 mm	28.0 kg
D1272D	12 V	7 Ah	151.0 mm	65.0 mm	94.0 mm	100.0 mm	2.3 kg
D1290D	12 V	9 Ah	151.0 mm	65.0 mm	94.0 mm	100.0 mm	2.6 kg
D12100SD	12 V	10 Ah	151.0 mm	65.0 mm	111.0 mm	117.0 mm	3.0 kg
D12120D	12 V	12 Ah	151.0 mm	98.0 mm	95.0 mm	101.0 mm	3.5 kg
D12140D	12 V	14 Ah	151.0 mm	98.0 mm	97.0 mm	102.0 mm	4.0 kg
D12150D	12 V	15 Ah	151.0 mm	98.0 mm	97.0 mm	101.0 mm	4.0 kg
D12180D	12 V	18 Ah	181.0 mm	77.0 mm	167.0 mm	167.0 mm	5.3 kg
D12200D	12 V	20 Ah	181.0 mm	77.0 mm	167.0 mm	167.0 mm	5.4 kg
D12240D	12 V	24 Ah	166.0 mm	175.0 mm	125.0 mm	125.0 mm	7.8 kg
D12280D	12 V	28 Ah	166.0 mm	175.0 mm	125.0 mm	125.0 mm	7.8 kg
D12350D	12 V	35 Ah	195.0 mm	130.0 mm	155.0 mm	180.0 mm	10.4 kg
D12400D	12 V	43 Ah	197.0 mm	165.0 mm	170.0 mm	170.0 mm	12.7 kg
D12450D	12 V	48 Ah	197.0 mm	165.0 mm	170.0 mm	170.0 mm	13.7 kg
D12600DE	12 V	60 Ah	229.0 mm	138.0 mm	208.0 mm	212.0 mm	17.5 kg
D12650DS	12 V	68 Ah	350.0 mm	167.0 mm	179.0 mm	183.0 mm	21.2 kg
D12700D	12 V	74 Ah	258.0 mm	166.0 mm	206.0 mm	235.0 mm	22.6 kg
D12750D	12 V	78 Ah	258.0 mm	166.0 mm	206.0 mm	211.0 mm	22.6 kg
D12750DS	12 V	78 Ah	260.0 mm	169.0 mm	208.0 mm	212.0 mm	22.0 kg
D24A-080D	12 V	80 Ah	258.0 mm	172.0 mm	214.0 mm	235.0 mm	22.0 kg
D12800DS	12 V	84 Ah	350.0 mm	167.0 mm	179.0 mm	179.0 mm	23.2 kg
D121000BDE	12 V	100 Ah	306.0 mm	169.0 mm	208.0 mm	212.0 mm	27.0 kg
D27A-100D	12 V	100 Ah	308 mm	172 mm	212 mm	232 mm	29 kg
D121000D	12 V	105 Ah	328.0 mm	171.0 mm	214.0 mm	220.0 mm	28.8 kg
D121200DE	12 V	120 Ah	328.0 mm	171.0 mm	222.0 mm	222.0 mm	32.0 kg
D31A-120D	12 V	120 Ah	330 mm	172 mm	216 mm	236 mm	33 kg
D121200DS	12 V	128 Ah	410.0 mm	176.0 mm	227.0 mm	227.0 mm	34.6 kg
D121350D	12 V	140 Ah	341.0 mm	173.0 mm	283.0 mm	288.0 mm	40.8 kg
D121500D	12 V	156 Ah	482.0 mm	170.0 mm	242.0 mm	242.0 mm	45.0 kg
D122000DSE	12 V	200 Ah	530.0 mm	209.0 mm	214.0 mm	218.0 mm	55.5

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Part num	Nominal terminal voltage	Nominal Capacity, C/20 discharge rate	Length	Width	Height	Terminal height	Weight
D122000D	12 V	204 Ah	522.0 mm	238.0 mm	218.0 mm	223.0 mm	59.5 kg
D122250D	12 V	230 Ah	522.0 mm	238.0 mm	218.0 mm	222.0 mm	64.0 kg
D122500D	12 V	260 Ah	520.0 mm	269.0 mm	220.0 mm	224.0 mm	70.0 kg
D122600D	12 V	270 Ah	520.0 mm	269.0 mm	220.0 mm	224.0 mm	72.0 kg

Schedule of properties/characteristics

The following schedule is an extract of physical and operational properties/characteristics of the certified/listed equipment.

Electrolyte	1.300 S.G., Absorbent Glass Mat (AGM)
Charge Temperature	Min: -10°C (14°F) Max: 50°C (122°F)
Discharge Temperature*	Refer relevant Datasheet
Storage	

* Extra considerations must be given to depths of discharge, operating voltages and currents when designing systems for use at maximum temperatures.

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	XF3005/R3	Evaluation for conformity of the Discover, Deep Cycle Series, valve regulated lead acid batteries to the requirements of TS001, Version 1.1, 17-Jul-2006	21-Feb-2018	CSIRO Fire Systems Laboratory, AU
Datasheet	[Part num].pdf	[Part num] Datasheet D21000D.pdf, D21500D.pdf, D22000D.pdf, D23000D.pdf, D24000D.pdf, D25000D.pdf, D26000D.pdf, D28000D.pdf, D210000D.pdf, D212000D.pdf, D215000D.pdf, D220000D.pdf, D225000D.pdf, D230000D.pdf, D6720D.pdf, D6100D.pdf, D6120D.pdf, D62000D.pdf, D1272D.pdf, D1290D.pdf, D12100SD.pdf, D12120D.pdf, D12140D.pdf, D12150D.pdf, D12180D.pdf, D12200D.pdf, D12240D.pdf, D12280D.pdf, D12350D.pdf, D12400D.pdf, D12450D.pdf, D12600DE.pdf, D12650DS.pdf, D12700D.pdf, D12750D.pdf, D12750DS.pdf, D24A-080D.pdf, D12800DS.pdf, D121000BDE.pdf, D27A-100D.pdf, D121000D.pdf, D121200DE.pdf, D31A-120D.pdf, D121200DS.pdf, D121350D.pdf, D121500D.pdf, D122000DSE.pdf, D122000D.pdf, D122250D.pdf, D122500D.pdf, D122600D.pdf	Jan-2017	Discover Energy Corp., CA