



Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3236	27-Feb-2018	Number 1	Issue date 8-Mar-2018	30-Apr-2019

Page 1 of 5

Product designation

Discover, D Series (Standby/Float), 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 (Standby/Float), 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



Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3236	27-Feb-2018	Number 1	Issue date 8-Mar-2018	30-Apr-2019
				Page 2 of 5

Technical specification

The following details are a representative extract of the technical specification for the Discover, D Series (Standby/Float), 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
D21000	2 V	110 Ah	171.0 mm	72.0 mm	206.0 mm	211.0 mm	5.6 kg
D21500	2 V	160 Ah	172.0 mm	102.0 mm	205.0 mm	227.0 mm	8.0 kg
D22000	2 V	215 Ah	173.0 mm	111.0 mm	330.0 mm	364.0 mm	13.1 kg
D23000	2 V	325 Ah	171.0 mm	151.0 mm	330.0 mm	364.0 mm	18.0 kg
D24000	2 V	430 Ah	210.0 mm	176.0 mm	330.0 mm	367.0 mm	25.5 kg
D25000	2 V	540 Ah	241.0 mm	175.0 mm	330.0 mm	365.0 mm	31.0 kg
D26000	2 V	645 Ah	302.0 mm	175.0 mm	330.0 mm	367.0 mm	36.5 kg
D28000	2 V	860 Ah	410.0 mm	175.0 mm	330.0 mm	367.0 mm	51.0 kg
D210000	2 V	1075 Ah	475.0 mm	175.0 mm	330.0 mm	367.0 mm	61.0 kg
D212000	2 V	1290 Ah	475.0 mm	175.0 mm	330.0 mm	367.0 mm	66.0 kg
D215000	2 V	1615 Ah	400.0 mm	350.0 mm	345.0 mm	382.0 mm	94.0 kg
D220000	2 V	2150 Ah	490.0 mm	350.0 mm	345.0 mm	382.0 mm	123.0 kg
D225000	2 V	2690 Ah	490.0 mm	350.0 mm	345.0 mm	382.0 mm	140.0 kg
D230000	2 V	3225 Ah	710.0 mm	350.0 mm	345.0 mm	382.0 mm	190.0 kg
D225C	2 V	3 Ah	34.0 mm	34.0 mm	61.0 mm	70.0 mm	0.2 kg
D260	2 V	6 Ah	51.0 mm	33.0 mm	99.0 mm	105.0 mm	0.4 kg
D445	4 V	5 Ah	48.0 mm	48.0 mm	102.0 mm	108.0 mm	0.5 kg
D445S	4 V	5 Ah	48.0 mm	52.0 mm	94.0 mm	99.0 mm	0.5 kg
D4100	4 V	10 Ah	102.0 mm	44.0 mm	95.0 mm	101.0 mm	1.0 kg
D4200	4 V	20 Ah	149.0 mm	43.0 mm	154.0 mm	159.0 mm	2.1 kg
D610	6 V	1 Ah	51.0 mm	42.0 mm	51.0 mm	56.0 mm	0.3 kg
D613	6 V	1 Ah	97.0 mm	24.0 mm	52.0 mm	58.0 mm	0.3 kg
D613W	6 V	1 Ah	97.0 mm	24.0 mm	52.0 mm	52.0 mm	0.3 kg
D620	6 V	2 Ah	43.0 mm	37.0 mm	76.0 mm	76.0 mm	0.3 kg
D628	6 V	3 Ah	66.0 mm	33.0 mm	97.0 mm	104.0 mm	0.6 kg
D632	6 V	3 Ah	134.0 mm	35.0 mm	61.0 mm	67.0 mm	0.6 kg
D632S	6 V	3 Ah	70.0 mm	47.0 mm	101.0 mm	107.0 mm	0.6 kg
D642	6 V	4 Ah	70.0 mm	47.0 mm	101.0 mm	107.0 mm	0.8 kg
D645	6 V	5 Ah	70.0 mm	47.0 mm	101.0 mm	107.0 mm	0.8 kg
D645T	6 V	5 Ah	70.0 mm	47.0 mm	101.0 mm	101.0 mm	0.8 kg
D645S	6 V	5 Ah	67.0 mm	67.0 mm	96.0 mm	109.0 mm	0.8 kg
D650	6 V	5 Ah	70.0 mm	47.0 mm	101.0 mm	107.0 mm	0.8 kg
D670	6 V	7 Ah	151.0 mm	34.0 mm	94.0 mm	100.0 mm	1.1 kg
D672	6 V	7 Ah	151.0 mm	34.0 mm	94.0 mm	100.0 mm	1.1 kg
D680	6 V	8 Ah	151.0 mm	34.0 mm	94.0 mm	100.0 mm	1.2 kg
D680S	6 V	8 Ah	98.0 mm	56.0 mm	117.0 mm	118.0 mm	1.3 kg
D6100	6 V	10 Ah	151.0 mm	50.0 mm	94.0 mm	100.0 mm	1.6 kg
D6120	6 V	12 Ah	151.0 mm	50.0 mm	94.0 mm	100.0 mm	1.8 kg
D6140	6 V	14 Ah	151.0 mm	50.0 mm	94.0 mm	100.0 mm	1.9 kg
D6140T	6 V	14 Ah	108.0 mm	71.0 mm	140.0 mm	140.0 mm	2.3 kg
D6140TW-TH	6 V	14 Ah	108.0 mm	71.0 mm	140.0 mm	140.0 mm	2.3 kg
D6140TW-TS	6 V	14 Ah	108.0 mm	71.0 mm	140.0 mm	140.0 mm	2.3 kg
D61800	6 V	190 Ah	306.0 mm	168.0 mm	220.0 mm	226.0 mm	25.0 kg
D62100S	6 V	225 Ah	260.0 mm	180.0 mm	247.0 mm	251.0 mm	31.0 kg
D1208	12 V	1 Ah	96.0 mm	25.0 mm	62.0 mm	62.0 mm	0.4 kg
D1213	12 V	1 Ah	97.0 mm	43.0 mm	52.0 mm	58.0 mm	0.6 kg
D1220M	12 V	2 Ah	150.0 mm	20.0 mm	90.0 mm	90.0 mm	0.7 kg
D1220C	12 V	2 Ah	182.0 mm	24.0 mm	61.0 mm	61.0 mm	0.8 kg

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3236	27-Feb-2018	Number 1	Issue date 8-Mar-2018	30-Apr-2019
				Page 3 of 5

Part num	Nominal terminal voltage	Nominal Capacity, C/20 discharge rate	Length	Width	Height	Terminal height	Weight
D1223	12 V	2 Ah	178.0 mm	35.0 mm	61.0 mm	67.0 mm	1.0 kg
D1225S	12 V	3 Ah	104.0 mm	48.0 mm	70.0 mm	70.0 mm	0.9 kg
D1226S	12 V	3 Ah	70.0 mm	47.0 mm	101.0 mm	107.0 mm	0.8 kg
D1226	12 V	3 Ah	178.0 mm	35.0 mm	61.0 mm	67.0 mm	1.0 kg
D1229	12 V	3 Ah	79.0 mm	55.5 mm	98.5 mm	104.0 mm	1.1 kg
D1232	12 V	3 Ah	134.0 mm	67.0 mm	61.0 mm	67.0 mm	1.2 kg
D1235	12 V	4 Ah	134.0 mm	67.0 mm	61.0 mm	67.0 mm	1.3 kg
D1242	12 V	4 Ah	90.0 mm	70.0 mm	101.0 mm	107.0 mm	1.5 kg
D1245S	12 V	5 Ah	140.0 mm	48.0 mm	102.0 mm	103.0 mm	1.5 kg
D1245	12 V	5 Ah	90.0 mm	70.0 mm	101.0 mm	107.0 mm	1.5 kg
D1250	12 V	5 Ah	90.0 mm	70.0 mm	101.0 mm	107.0 mm	1.6 kg
D12-22W	12 V	5 Ah	90.0 mm	70.0 mm	101.0 mm	107.0 mm	1.6 kg
D1255	12 V	6 Ah	90.0 mm	70.0 mm	101.0 mm	107.0 mm	1.6 kg
D1255S	12 V	6 Ah	140.0 mm	48.0 mm	102.0 mm	104.0 mm	1.7 kg
D1260	12 V	6 Ah	151.0 mm	51.0 mm	93.0 mm	99.0 mm	1.7 kg
D12-24W	12 V	6 Ah	151.0 mm	52.0 mm	93.0 mm	99.0 mm	1.8 kg
D1265	12 V	7 Ah	151.0 mm	65.0 mm	95.0 mm	101.0 mm	1.9 kg
D12-27W	12 V	7 Ah	151.0 mm	52.0 mm	93.0 mm	99.0 mm	2.0 kg
D1270	12 V	7 Ah	151.0 mm	65.0 mm	95.0 mm	101.0 mm	2.1 kg
D1272	12 V	7 Ah	151.0 mm	65.0 mm	95.0 mm	101.0 mm	2.2 kg
D1275	12 V	8 Ah	151.0 mm	65.0 mm	95.0 mm	101.0 mm	2.2 kg
D1280	12 V	8 Ah	151.0 mm	65.0 mm	95.0 mm	101.0 mm	2.3 kg
D12-33W	12 V	8 Ah	151.0 mm	65.0 mm	93.0 mm	99.0 mm	2.4 kg
D12-35W	12 V	8 Ah	151.0 mm	65.0 mm	93.0 mm	99.0 mm	2.5 kg
D1290	12 V	9 Ah	151.0 mm	65.0 mm	95.0 mm	101.0 mm	2.5 kg
D12-37W	12 V	9 Ah	151.0 mm	65.0 mm	93.0 mm	99.0 mm	2.6 kg
D12100S	12 V	10 Ah	151.0 mm	65.0 mm	111.0 mm	117.0 mm	2.9 kg
D12120	12 V	12 Ah	151.0 mm	98.0 mm	95.0 mm	101.0 mm	3.5 kg
D12140	12 V	14 Ah	151.0 mm	98.0 mm	95.0 mm	101.0 mm	3.8 kg
D12-55W	12 V	14 Ah	151.0 mm	98.0 mm	95.0 mm	101.0 mm	3.9 kg
D12150	12 V	15 Ah	181.0 mm	77.0 mm	167.0 mm	167.0 mm	5.1 kg
D12180	12 V	18 Ah	181.0 mm	77.0 mm	167.0 mm	167.0 mm	5.2 kg
D12200	12 V	20 Ah	181.0 mm	77.0 mm	167.0 mm	167.0 mm	5.5 kg
D12-92W	12 V	22 Ah	181.0 mm	77.0 mm	167.0 mm	167.0 mm	6.3 kg
D12220	12 V	22 Ah	181.0 mm	77.0 mm	167.0 mm	167.0 mm	6.2 kg
D12240	12 V	24 Ah	166.0 mm	175.0 mm	125.0 mm	125.0 mm	7.5 kg
D12240P	12 V	24 Ah	165.0 mm	125.0 mm	175.0 mm	182.0 mm	8.5 kg
D12260	12 V	26 Ah	166.0 mm	175.0 mm	125.0 mm	125.0 mm	7.8 kg
D12280	12 V	28 Ah	166.0 mm	175.0 mm	125.0 mm	125.0 mm	8.2 kg
D12280P	12 V	28 Ah	165.0 mm	125.0 mm	175.0 mm	182.0 mm	9.0 kg
D12-100W	12 V	28 Ah	166.0 mm	175.0 mm	125.0 mm	125.0 mm	8.3 kg
D12-120W	12 V	30 Ah	165.0 mm	125.0 mm	175.0 mm	175.0 mm	9.0 kg
D12-150W	12 V	34 Ah	195.0 mm	130.0 mm	155.0 mm	168.0 mm	10.7 kg
D12350	12 V	35 Ah	195.0 mm	130.0 mm	155.0 mm	180.0 mm	9.7 kg
D12400	12 V	42 Ah	197.0 mm	165.0 mm	170.0 mm	170.0 mm	12.2 kg
D12420	12 V	44 Ah	197.0 mm	165.0 mm	170.0 mm	170.0 mm	12.9 kg
D12450	12 V	48 Ah	197.0 mm	165.0 mm	170.0 mm	170.0 mm	13.3 kg
D12-185W	12 V	48 Ah	197.0 mm	165.0 mm	170.0 mm	170.0 mm	15.1 kg
DT12-50X	12 V	54 Ah	277.0 mm	106.0 mm	222.0 mm	229.0 mm	16.1 kg
D12-250W	12 V	57 Ah	229.0 mm	138.0 mm	208.0 mm	212.0 mm	17.9 kg
D12550	12 V	58 Ah	229.0 mm	138.0 mm	208.0 mm	227.0 mm	16.0 kg
D12550R	12 V	58 Ah	229.0 mm	138.0 mm	208.0 mm	227.0 mm	16.0 kg
D12650S	12 V	67 Ah	350.0 mm	167.0 mm	179.0 mm	179.0 mm	19.6 kg
D12700	12 V	74 Ah	260.0 mm	169.0 mm	208.0 mm	212.0 mm	19.6 kg
D12750	12 V	77 Ah	258.0 mm	166.0 mm	206.0 mm	211.0 mm	22.4 kg
D12750S	12 V	77 Ah	260.0 mm	169.0 mm	208.0 mm	212.0 mm	22.0 kg

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3236	27-Feb-2018	Number 1	Issue date 8-Mar-2018	30-Apr-2019
				Page 4 of 5

Part num	Nominal terminal voltage	Nominal Capacity, C/20 discharge rate	Length	Width	Height	Terminal height	Weight
D12-300W	12 V	78 Ah	260.0 mm	169.0 mm	208.0 mm	212.0 mm	24.1 kg
D12800S	12 V	84 Ah	350.0 mm	167.0 mm	179.0 mm	183.0 mm	23.0 kg
DT12-80X	12 V	86 Ah	564.0 mm	115.0 mm	189.0 mm	189.0 mm	27.4 kg
D12-350W	12 V	94 Ah	306.0 mm	169.0 mm	208.0 mm	212.0 mm	28.5 kg
D12900	12 V	100 Ah	306.0 mm	169.0 mm	208.0 mm	212.0 mm	26.4 kg
D121000BE	12 V	100 Ah	306.0 mm	169.0 mm	208.0 mm	212.0 mm	26.4 kg
D121000E	12 V	100 Ah	328.0 mm	171.0 mm	214.0 mm	220.0 mm	28.0 kg
D121000SE	12 V	100 Ah	410.0 mm	175.0 mm	227.0 mm	227.0 mm	31.0 kg
D121000	12 V	104 Ah	328.0 mm	171.0 mm	214.0 mm	220.0 mm	30.5 kg
D12-380W	12 V	104 Ah	328.0 mm	171.0 mm	214.0 mm	218.0 mm	31.0 kg
D121100E	12 V	110 Ah	328.0 mm	171.0 mm	214.0 mm	220.0 mm	30.5 kg
DT12-100X	12 V	110 Ah	508.0 mm	110.0 mm	223.0 mm	238.0 mm	30.5 kg
DT12-100XS	12 V	110 Ah	395.0 mm	110.0 mm	286.0 mm	286.0 mm	31.5 kg
DT12-105X	12 V	114 Ah	560.0 mm	125.0 mm	228.0 mm	228.0 mm	34.5 kg
D12-420W	12 V	118 Ah	328.0 mm	171.0 mm	214.0 mm	218.0 mm	31.6 kg
D121200E	12 V	120 Ah	328.0 mm	171.0 mm	220.0 mm	220.0 mm	31.2 kg
D121200SE	12 V	120 Ah	410.0 mm	175.0 mm	227.0 mm	227.0 mm	33.8 kg
D121200S	12 V	128 Ah	410.0 mm	176.0 mm	228.0 mm	228.0 mm	35.5 kg
DT12-125X	12 V	132 Ah	436.0 mm	108.0 mm	317.0 mm	317.0 mm	39.5 kg
D121350	12 V	140 Ah	341.0 mm	173.0 mm	283.0 mm	288.0 mm	40.0 kg
D12-520W	12 V	143 Ah	341.0 mm	173.0 mm	283.0 mm	288.0 mm	43.5 kg
D121500SE	12 V	150 Ah	522.0 mm	238.0 mm	218.0 mm	223.0 mm	42.0 kg
D121500	12 V	150 Ah	482.0 mm	170.0 mm	242.0 mm	242.0 mm	40.7 kg
D121500	12 V	156 Ah	482.0 mm	170.0 mm	242.0 mm	242.0 mm	43.6 kg
DT12-150XS	12 V	160 Ah	552.0 mm	110.0 mm	288.0 mm	288.0 mm	45.9 kg
DT12-150X	12 V	160 Ah	548.0 mm	105.0 mm	316.0 mm	316.0 mm	45.0 kg
DT12-155X	12 V	165 Ah	546.0 mm	125.0 mm	317.0 mm	323.0 mm	54.0 kg
D121800	12 V	186 Ah	522.0 mm	238.0 mm	218.0 mm	223.0 mm	56.0 kg
DT12-180X	12 V	190 Ah	546.0 mm	125.0 mm	317.0 mm	323.0 mm	55.5 kg
DT12-180XS	12 V	190 Ah	560.0 mm	125.0 mm	317.0 mm	317.0 mm	56.0 kg
D122000E	12 V	200 Ah	522.0 mm	238.0 mm	218.0 mm	240.0 mm	57.0 kg
D122000	12 V	210 Ah	522.0 mm	238.0 mm	218.0 mm	240.0 mm	58.8 kg
D122400	12 V	250 Ah	520.0 mm	268.0 mm	220.0 mm	224.0 mm	66.0 kg
D122600	12 V	270 Ah	520.0 mm	269.0 mm	220.0 mm	224.0 mm	71.0 kg

Schedule of properties/characteristics

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

Electrolyte	Absorbent Glass Mat (AGM)
Charge Temperature	Min: -10°C (14°F) Max: 50°C (122°F)
Discharge Temperature*	Min: -40°C (-40°F) Max: 50°C (122°F)
Storage	Refer relevant Datasheet

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

Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
afp - 3236	27-Feb-2018	Number 1	Issue date 8-Mar-2018	30-Apr-2019
				Page 5 of 5

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/R2	Evaluation for conformity of the Discover, Standby 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 D21000.pdf, D21500.pdf, D22000.pdf, D23000.pdf, D24000.pdf, D25000.pdf, D26000.pdf, D28000.pdf, D210000.pdf, D212000.pdf, D215000.pdf, D220000.pdf, D225000.pdf, D230000.pdf, D225C.pdf, D260.pdf, D445.pdf, D445S.pdf, D4100.pdf, D4200.pdf, D610.pdf, D613.pdf, D613W.pdf, D620.pdf, D628.pdf, D632.pdf, D632S.pdf, D642.pdf, D645.pdf, D645T.pdf, D645S.pdf, D650.pdf, D670.pdf, D672.pdf, D680.pdf, D680S.pdf, D6100.pdf, D6120.pdf, D6140.pdf, D6140T.pdf, D6140TW-TH.pdf, D6140TW-TS.pdf, D61800.pdf, D62100S.pdf, D1208.pdf, D1213.pdf, D1220M.pdf, D1220C.pdf, D1223.pdf, D1225S.pdf, D1226S.pdf, D1226.pdf, D1229.pdf, D1232.pdf, D1235.pdf, D1242.pdf, D1245S.pdf, D1245.pdf, D1250.pdf, D12-22W.pdf, D1255.pdf, D1255S.pdf, D1260.pdf, D12-24W.pdf, D1265.pdf, D12-27W.pdf, D1270.pdf, D1272.pdf, D1275.pdf, D1280.pdf, D12-33W.pdf, D12-35W.pdf, D1290.pdf, D12-37W.pdf, D12100S.pdf, D12120.pdf, D12140.pdf, D12-55W.pdf, D12150.pdf, D12180.pdf, D12200.pdf, D12-92W.pdf, D12220.pdf, D12240.pdf, D12240P.pdf, D12260.pdf, D12280.pdf, D12280P.pdf, D12-100W.pdf, D12-120W.pdf, D12-150W.pdf, D12350.pdf, D12400.pdf, D12420.pdf, D12450.pdf, D12-185W.pdf, DT12-50X.pdf, D12-250W.pdf, D12550.pdf, D12550R.pdf, D12650S.pdf, D12700.pdf, D12750.pdf, D12750S.pdf, D12-300W.pdf, D12800S.pdf, DT12-80X.pdf, D12-350W.pdf, D12900.pdf, D121000BE.pdf, D121000E.pdf, D121000SE.pdf, D121000.pdf, D12-380W.pdf, D121100E.pdf, DT12-100X.pdf, DT12-100XS.pdf, DT12-105X.pdf, D12-420W.pdf, D121200E.pdf, D121200SE.pdf, D121200S.pdf, DT12-125X.pdf, D121350.pdf, D12-520W.pdf, D121500SE.pdf, D121500.pdf, D121500.pdf, DT12-150XS.pdf, DT12-150X.pdf, DT12-155X.pdf, D121800.pdf, DT12-180X.pdf, DT12-180XS.pdf, D122000E.pdf, D122000.pdf, D122400.pdf, D122600.pdf	Jan-2017	Discover Energy Corp., CA