



# Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 3237</b>	27-Feb-2018	Number 1	Issue date 8-Mar-2018	30-Apr-2019
				Page 1 of 3

## Product designation

**Discover, EV / DCM Series (Dry Cell), dry cell 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, EV / DCM Series (Dry Cell), dry cell 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	
<b>afp - 3237</b>	27-Feb-2018	Number 0	Issue date 27-Feb-2018	Page 2 of 3

## Technical specification

The following details are a representative extract of the technical specification for the Discover, EV / DCM Series (Dry Cell), dry cell 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
EV216A-A	2 V	1170 Ah	295 mm	180 mm	421 mm	426 mm	55.0 kg
EVGT6A-A	6 V	260 Ah	260 mm	180 mm	268 mm	282 mm	36.0 kg
EVGC6A-A	6 V	220 Ah	260 mm	180 mm	254 mm	274 mm	30.0 kg
EVGC6A-B	6 V	207 Ah	260 mm	180 mm	254 mm	274 mm	28.5 kg
EV627A-A	6 V	210 Ah	306 mm	168 mm	221 mm	225 mm	28.5 kg
EV506A-230	6 V	230 Ah	244 mm	189 mm	254 mm	275 mm	30.0 kg
EV305A-A	6 V	330 Ah	295 mm	180 mm	345 mm	365 mm	48.5 kg
EVL16A-A	6 V	390 Ah	295 mm	180 mm	383 mm	385 mm	55.0 kg
EVGC8A-A	8 V	160 Ah	260 mm	180 mm	266 mm	286 mm	30.0 kg
EVGT8A-A	8 V	185 Ah	260 mm	180 mm	295 mm	300 mm	37.0 kg
EV805A-A	8 V	235 Ah	260 mm	180 mm	348 mm	352 mm	44.0 kg
EV512A-24	12 V	26 Ah	166 mm	175 mm	125 mm	125 mm	8.5 kg
EVU1A-A	12 V	33 Ah	195 mm	130 mm	164 mm	180 mm	10.5 kg
EV512A-45	12 V	50 Ah	197 mm	165 mm	170 mm	170 mm	13.5 kg
EV22A-A	12 V	58 Ah	229 mm	138 mm	210 mm	214 mm	17.5 kg
EV34A-A	12 V	65 Ah	258 mm	167 mm	178 mm	198 mm	19.5 kg
EV512A-55	12 V	55 Ah	242 mm	175 mm	170 mm	190 mm	19.0 kg
EV512A-70	12 V	68 Ah	278 mm	175 mm	190 mm	190 mm	22.0 kg
EV512A-90	12 V	87 Ah	353 mm	175 mm	190 mm	190 mm	27.0 kg
EV24A-A	12 V	85 Ah	258 mm	172 mm	214 mm	235 mm	24.0 kg
EV24LA-A	12 V	85 Ah	258 mm	172 mm	206 mm	228 mm	24.0 kg
EV512A-85	12 V	85 Ah	258 mm	166 mm	210 mm	215 mm	24.0 kg
EV27A-A	12 V	100 Ah	308 mm	172 mm	212 mm	232 mm	29.1 kg
EV512A-100	12 V	100 Ah	306 mm	169 mm	212 mm	217 mm	28.5 kg
EV31A-A	12 V	115 Ah	330 mm	172 mm	216 mm	236 mm	32.5 kg
EV31A-B	12 V	110 Ah	330 mm	172 mm	216 mm	236 mm	31.0 kg
EV512A-115	12 V	115 Ah	330 mm	171 mm	215 mm	220 mm	31.0 kg
EVGT12A-A	12 V	120 Ah	260 mm	180 mm	296 mm	300 mm	35.0 kg
EV12A-A	12 V	140 Ah	327 mm	180 mm	254 mm	274 mm	39.5 kg
EV12A-B	12 V	130 Ah	327 mm	180 mm	254 mm	274 mm	36.5 kg
EV512A-150	12 V	150 Ah	341 mm	173 mm	284 mm	288 mm	40.0 kg
EV512A-160	12 V	165 Ah	485 mm	172 mm	235 mm	240 mm	45.5 kg
EV185A-A	12 V	230 Ah	386 mm	178 mm	352 mm	372 mm	63.0 kg
EV4DA-A	12 V	235 Ah	524 mm	225 mm	222 mm	242 mm	62.5 kg
EV8DA-A	12 V	280 Ah	522 mm	275 mm	222 mm	242 mm	78.0 kg
EV8DRA-A	12 V	280 Ah	522 mm	275 mm	222 mm	242 mm	78.0 kg
EV8DRA-A-V0	12 V	280 Ah	522 mm	275 mm	222 mm	242 mm	78.0 kg
EV512A-215	12 V	215 Ah	530 mm	209 mm	213 mm	218 mm	60.0 kg
EV512A-235	12 V	235 Ah	522 mm	238 mm	218 mm	240 mm	62.1 kg
EV512A-260	12 V	260 Ah	520 mm	269 mm	235 mm	240 mm	76.0 kg
EV512A-115FT	12 V	110 Ah	508 mm	110 mm	233 mm	238 mm	32.5 kg
EV512A-160FT	12 V	165 Ah	552 mm	110 mm	295 mm	295 mm	49.0 kg
EV512A-210FT	12 V	205 Ah	546 mm	125 mm	323 mm	323 mm	60.0 kg
DCMGC6	6 V	230 Ah	260 mm	180 mm	254 mm	274 mm	31.0 kg
DCMGT6	6 V	260 Ah	260 mm	180 mm	268 mm	282 mm	36.0 kg
DCM305	6 V	350 Ah	295 mm	180 mm	345 mm	365 mm	48.0 kg
DCML16	6 V	400 Ah	295 mm	180 mm	383 mm	385 mm	55.0 kg
DCMU1	12 V	35 Ah	195 mm	130 mm	164 mm	180 mm	11.0 kg

# Schedule to Certificate of Conformity

Certificate num.	Registration date	Version	Valid until	
<b>afp - 3237</b>	27-Feb-2018	Number 1	Issue date 8-Mar-2018	30-Apr-2019
				Page 3 of 3

Part num	Nominal terminal voltage	Nominal Capacity, C/20 discharge rate	Length	Width	Height	Terminal height	Weight
DCM24	12 V	85 Ah	258 mm	172 mm	214 mm	235 mm	25.0 kg
DCM27	12 V	105 Ah	308 mm	172 mm	212 mm	232 mm	30.0 kg
DCM31	12 V	120 Ah	330 mm	172 mm	216 mm	236 mm	33.0 kg
DCM31T	12 V	150 Ah	327 mm	180 mm	254 mm	274 mm	40.0 kg
DCM185	12 V	235 Ah	386 mm	178 mm	352 mm	372 mm	63.0 kg
DCM4D	12 V	240 Ah	524 mm	225 mm	222 mm	242 mm	63.0 kg
DCM8D	12 V	290 Ah	522 mm	275 mm	222 mm	242 mm	78.0 kg

## Schedule of properties/characteristics

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

Electrolyte	1.2875 S.G., 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	Min: -20°C (-4°F)   Max: 60°C (140°F)

\* 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/R1	Evaluation for conformity of the Discover, Dry Cell 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 EV216A-A.pdf, EVGT6A-A.pdf, EVGC6A-A.pdf, EVGC6A-B.pdf, EV627A-A.pdf, EV506A-230.pdf, EV305A-A.pdf, EVL16A-A.pdf, EVGC8A-A.pdf, EVGT8A-A.pdf, EV805A-A.pdf, EV512A-24.pdf, EVU1A-A.pdf, EV512A-45.pdf, EV22A-A.pdf, EV34A-A.pdf, EV512A-55.pdf, EV512A-70.pdf, EV512A-90.pdf, EV24A-A.pdf, EV24LA-A.pdf, EV512A-85.pdf, EV27A-A.pdf, EV512A-100.pdf, EV31A-A.pdf, EV31A-B.pdf, EV512A-115.pdf, EVGT12A-A.pdf, EV12A-A.pdf, EV12A-B.pdf, EV512A-150.pdf, EV512A-160.pdf, EV185A-A.pdf, EV4DA-A.pdf, EV8DA-A.pdf, EV8DRA-A.pdf, EV8DRA-A-V0.pdf, EV512A-215.pdf, EV512A-235.pdf, EV512A-260.pdf, EV512A-115FT.pdf, EV512A-160FT.pdf, EV512A-210FT.pdf DCMGC6.pdf, DCMGT6.pdf, DCM305.pdf, DCML16.pdf, DCMU1.pdf, DCM24.pdf, DCM27.pdf, DCM31.pdf, DCM31T.pdf, DCM185.pdf, DCM4D.pdf, DCM8D.pdf	Jan-2017	Discover Energy Corp., CA