

# PURCHASED COMPONENT KEY FEATURES

## DESCRIPTION OF REQUIREMENTS

DIMENSIONAL REQUIREMENTS (AS SHOWN ON DRAWING)

N/A

LOAD/RATING REQUIREMENT

N/A

MATERIAL REQUIREMENT

N/A

PACKAGING REQUIREMENT

N/A

OTHER REQUIREMENTS

See Full Requirements List (as shown to the left)

Partial Spec Compare	Discover EV27A-A
Size	BCI: 27 JIS1: D31R
Intended use	Traction DC
20Hr Capacity (Ah)	100
Reserve Capacity(Min)	205min @ 25A
Length A (in/mm)	12.1
Width B (in/mm)	6.8
Height C (in/mm)	8.3
Total Height D (in/mm)	9.1
Weight (lbs/kgs)	62.7
Terminal *	AM 5/16"
Terminal Rotation	90 degree
Technology	DRY CELL AGM, VRLA
Depth of Discharge (typical)	80%
Discharge Cycles	350+ @100%DOD 550+ @70%DOD regular basis @80%DOD
Case	Polypropylene
Quality	Discover® manufacturing facilities are fully certified to ISO 9001/14001 and OSHA 18001 standards.
Design Standards	IEC 60254-1. Lead-Acid Traction DIN 43 539. VRLA SAE J537. Storage UL, CE Health Safety Certified Vibration resistance superior to AGM / Gel Shock tested (IEC 61373, DIN EN 61373, SAE J537) Spark and explosion tested (SAE J1495)
Resistance (mΩ)	5m Ω
Short Circuit (A) (20°C / 68°F)	2900
Self-Discharge (20°C / 68°F)	2-3% per month
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 Temperature	Min: -20°C (-4°F)   Max: 60°C (140°F)
Warranty	12 months Free replacement through Discover
Contact	Discover Battery: #7-13511 Crestwood Place, Richmond, BC Canada V6V 2E9 Tel: +1-778-800-6883 Fax: +1-604-248-0175 Discover Battery ( <a href="https://discoverbattery.com/">https://discoverbattery.com/</a> ) is premium battery in the niche battey market but looking to expand



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## TOLERANCES & INSPECTION

UNLESS OTHERWISE SPECIFIED

ALL BEND ANGLES ARE 90 DEGREES

ALL DIMENSIONS ARE IN INCHES.

REFERENCE DIMENSIONS (X.XXX)  
DO NOT REQUIRE INSPECTION

FEATURES	HOLES/SLOTS	ANGLES
0.0 = ± .125	0.0 = ± .062	0° = ± 2°
0.00 = ± .062	0.00 = ± .031	0.0° = ± 1°
0.000 = ± .031	0.000 = ± .015	

Material Thickness: per ASTM Std.  
Weld Callouts per AWS

## RELEASE & REVISIONS

INITIAL ECN: **26183**

CURRENT ECN:

ECN DESCRIPTION:

**RELEASE FOR PRODUCTION**

REVISED BY:

# PURCHASED COMPONENT

REFERENCED SUPPLIER AND/OR MANUFACTURER

**Battery Wholesale / Discover**

REFERENCED SUPPLIER AND/OR MANUFACTURER PART NUMBER

**EV27A-A**

COLOR (ONLY LIST IF COLOR SPECIFIC)

COMODITY ITEM (Y/N) (YES = ALL DIMENSIONS AND NOTES ARE REFERENCE)  
(NOTE: DIMENSIONS AND FEATURES MAY VARY FOR A COMODITY ITEM.)

**NO**

PRINTED DOCUMENT IS UNCONTROLLED

Sheet 1 of 1

## PART / PRODUCT IDENTIFICATION



**ADRIAN STEEL®**

ADRIAN STEEL COMPANY  
906 JAMES STREET, ADRIAN, MI 49221

REVISION LEVEL

**A**

MAT'L USED: **PURCHASED**

DESIGNED BY: **AJE**

DESCRIPTION: **BATTERY, AGM 100AH 12 VDC**

WEIGHT (Lbs.): **70**

SEGMENT CODE: **EIN**

PART NUMBER: **70038**