# EV506G-250

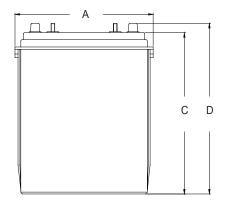
**DATA SHEET** 

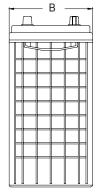


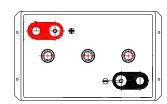
## **EV Traction Gel Industrial Battery Block**

Discover® EV Traction GEL Batteries provide superior integrity and reliability. The maintenance-free, thick plate construction, designed to deliver excellent cycle life and very good run times at high operating voltages in tough industrial use with regular discharges, makes the EV Gel Series an excellent choice for robust industrial applications.

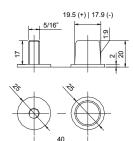
### **Mechanical Drawings**







Terminal (AM)



Optional Terminal (M8)



Mechanical Specifications					
Industry Reference	902-305				
Length (A)	11.6 in	295 mm			
Width (B)	7.1 in	180 mm			
Height (C)	13.6 in	245 mm			
Total Height (D)	14.4 in	365 mm			
Weight	99 lbs	45 kgs			
Terminal (Opt'I)*	AM (M8)				
Cells	3 cells				
Electrolyte	Gel				

10 HR

270

5 HR

3 HR

Electrical Specifications			
Volts	6 V		
80% DOD Voltage Cutoff	5.9 V		
RINT	1.35 mOhms		
Short Circuit (-68°F 20°C)	4080 A		
Self Discharge	<3% of capacity month @ 20°C (68°F)		
Charging	-20°C (-4°F)   60°C (140°F)		
Discharge	-10°C (14°F)   60°C (140°F)		
Storage	-20°C (-4°F)   60°C (140°F)		

\*TERMINAL TORQUE: Please refer to our document, located in the Resources webpage (www.discover-energy.com/resources/)

@75A

200

@85A

@100A

@56A

## **Electrical Specifications** Amp Hours (AH) Minutes of Discharge

1 HR

@25A

Max Charge   Discharge Currents	Peak (5 seconds)	Peak (10 seconds)	Max Continuous	Recommended Max Continuous
Charge	1C10Hr	0.75C10Hr	0.5C10Hr	0.3C10Hr
Discharge	2C10Hr	1.5C10Hr	1C10Hr	0.5C10Hr

## **Benefits & Features**

Maintenance-Free Clean & Green® choice of Original Equipment Manufacturers.

Traction heavy duty grid design (PbCaSn) gives consistent active material adhesion and corrosion resistance.

High impact reinforced copolymer and polypropylene cases with flat top designs.

A recognized gas recombination efficiency of greater than 99.9%.

Multiple terminal, configuration options and carrying handles available with most models.

Classified as a non-spillable battery and is not restricted for transportation by:

- Air (IATA/ICAO provision 67)
- Surface (DOT-CFR-HMR49)
- Water (per IMDG amendment 27)

with sensitive equipment.

Comprehensive design to conserve resources, improve safety and reduce waste. 98% recyclable.

#### **Certified Quality**

Designed in accordance with and published in compliance with applicable BCI, IEC and BS EN standards, including:

- IEC60896-21/22
- BS EN 60254-1:2005AS/NZS 4029.2.2000 BS EN 60254-1:2005 (MOD)

Discover® and its facilities and products are certified to multiple standards:

- ISO, UL, QS, and TUV standards
- ETTS Germany
- Euro Bat classification for Environmental Stewardship Standards















## **Contact Us**



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100 HR

330

20 HR

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