EV250A-A

DATA SHEET

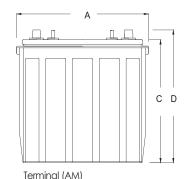


EV Traction Dry Cell Industrial Battery Block

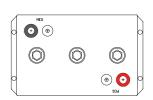
Discover® EV Series Industrial Batteries provide superior high integrity and reliability for commercial, industrial and private applications. The maintenance-free, thick plate construction, designed for tough applications and repeated deep discharging makes the EV Series the definitive choice for robust Traction applications including Home Medical Equipment (HME), Electric Vehicle, Automated Guided Vehicles (AGV), Aerial Lifts, Floor Cleaning Equipment, Robotics, Materials Handling, Renewable Energy and Marine / RV applications.

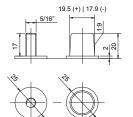
Mechanical Drawings











Mechanical Specifications						
Industry Reference	901-250					
Length (A)	11.6 in	295 mm				
Width (B)	7.1 in	180 mm 276 mm 296 mm 37.5 kgs				
Height (C)	10.9 in					
Total Height (D)	11.7 in					
Weight	82.7 lbs					
Terminal (Opt'I)*	AM 3					
Cells						
Electrolyte	1.2875 S.G.	AGM				

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

Electrical Specificatio	ectrical Specifications					
Volts	6 V 5.7 V 2.5 mΩ 4900 A <3% of capacity month @ 20°C (68°F)					
80% DOD Voltage Cutoff						
RINT						
Short Circuit (-68°F 20°C)						
Self Discharge						
Cranking Amps**	1000 @ 0°C (32°F)	830 @ -18°C (0°F)				
Charging	-10°C (4°F) 50°C (122°F) -20°C (-4°F) 50°C (122°F)					
Discharge						
Storage	40°C (-40°F) 60°C (140°F)					

**CRANKING AMPS: Cranking Amps data is provided as a reference only. Specific application sizing and life factors must be considered when using deep cycle product in a starting application.

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

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)

Compatible 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















Electrical Specifications Amp Hours (AH) Minutes of Discharge 100 HR 20 HR 10 HR 3 HR 1 HR @25A @56A @75A @85A @100A 288 260 240 572

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

Contact Us



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