EV305A-A

DATA SHEET

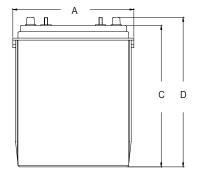


EV Traction Dry Cell Industrial Battery Block

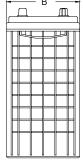
Discover® EV Series Industrial Batteries provide superior high integrity and reliability for commercial, industrial and private applications. The maintenance-free, thick plate construction, designed for tough applications and repeated deep discharging makes the EV Series the definitive choice for robust 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



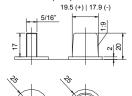


Terminal (AM)



Optional Terminal (M8)

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| Mechanical Spe | 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 | 345 mm 365 mm | | | | | |
| Total Height (D) | 14.4 in | | | | | | |
| Weight | 107 lbs | 49 kgs | | | | | |
| Terminal (Opt'I)* | AM (M8) | | | | | | |
| 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 Specifications | | | | | | |
|----------------------------|------------------------------------------------------------|--------------------|--|--|--|--|
| Volts | 6 V 5.7 V 1.35 mΩ | | | | | |
| 80% DOD Voltage Cutoff | | | | | | |
| RINT | | | | | | |
| Short Circuit (-68°F 20°C) | 408 | 4080 A | | | | |
| Self Discharge | <3% of capacity month @ 20°C (68°F) | | | | | |
| Cranking Amps** | 1255 @ 0°C (32°F) |) 1045@-18°C (0°F) | | | | |
| Charging | -10°C (4°F) 50°C (122°F) | | | | | |
| Discharge | -20°C (-4°F) 50°C (122°F) 40°C (-40°F) 60°C (140°F) | | | | | |
| Storage | | | | | | |

**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 60254-1:2005
 AS/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 330 30.5

| 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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