EV512G-103

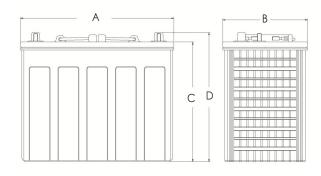
DATA SHEET

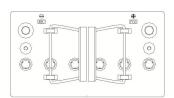


EV Traction Gel Industrial Battery Block

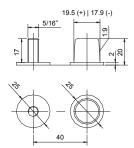
Discover® EV Traction GEL Batteries provide superior integrity and reliability. The maintenance-free, thick plate construction, designed to deliver excellent cycle life and very good run times at high operating voltages in tough industrial use with regular discharges, makes the EV Gel Series an excellent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

Mechanical Drawings





Terminal (AM)



Optional Terminal (M8)



Mechanical Specifications						
Industry Reference	31T/T1275					
Length (A)	12.9 in	327 mm				
Width (B)	7.1 in	180 mm				
Height (C)	10.0 in	254 mm				
Total Height (D)	10.8 in	274 mm				
Weight	79.2 lbs	36 kgs				
Terminal (Opt'l)*	AM (M8)					
Cells	6 cell					
Electrolyte	Gel					

Electrical Specifications				
Volts	12 V			
80% DOD Voltage Cutoff	11.8 V			
RINT	4.2 mOhms			
Short Circuit (-68°F 20°C)	3580A			
Self Discharge	3% per month (77°F / 25°C)			
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/)

Electrical Specifications Amp Hours (AH) Minutes of Discharge 100 HR 20 HR 10 HR 5 HR 3 HR 1 HR @25A @56A @75A @85A @100A 112 106 208

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)

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















Contact Us



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