

DEEP CYCLE AGM 8D-AGM

• VRLA AGM

- BCI Group 8D, 12V
- CCA 1450 / CA 1850
- Reserve Capacity [Ah@20hr rate]: 230
- Reserve Capacity [min@25 Amps]: 460
- Energy [kWh]: 3.05
- Weight: 167 lbs.
- Length: 20.47 in (520 mm)
- Width: 10.64 in (270 mm)
- Height: 9.08 in (231mm)
- STUD



Deep-Cycle AGM

Trojan's deep-cycle Absorbed Glass Mat (AGM) maintenance-free batteries feature a number of design elements to provide optimum performance. Robust plates and separators extend the life-cycle of Trojan's deep-cycle AGM batteries while a computer-generated grid design is optimized for high-power density. Trojan's deep-cycle AGM batteries are low temperature tolerant, shock and vibration resistant and have a low internal resistance for higher discharge current and higher charging efficiency.



TROJAN
BATTERY COMPANY

DATA SHEET

MODEL **8D-AGM**

VOLTAGE **12V**

CAPACITY **230Ah @ 20Hr**

MATERIAL **Polypropylene**

BATTERY TYPE **Deep Cycle VRLA AGM**

12V

PRODUCT + PHYSICAL SPECIFICATIONS

BCI Group Size	Type	Voltage	Cell(s)	Terminal Type ^G	Dimensions ^C Inches (mm)			Weight Lbs. (kg)
8D	8D-AGM	12	6	6	Length	Width	Height ^F	69 (31) 161 (73)
					20.47 (520)	10.64 (270)	9.08 (231)	

ELECTRICAL SPECIFICATIONS

Cranking Performance		Capacity ^A Minutes		Capacity ^B Amp-Hours (AH)				Energy (kWh)	Internal Resistance (mΩ)	Short Circuit Current (amps)
C.C.A. ^D @ 0°F (-18°C)	C.A. ^E @ 32°F (0°C)	@ 25 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr	—	—
1450	1850	460		179	210	230	254	3.05		

CHARGING INSTRUCTIONS

CHARGER VOLTAGE SETTINGS (AT 77°F/25°C)

System Voltage	12V	24V	36V	48V
Absorption Charge	14.1 – 14.4	28.2 – 28.8	42.3 – 43.2	56.4 – 57.6
Float Charge	13.5	27	40.5	54

CHARGING TEMPERATURE COMPENSATION

Add	Subtract
0.005 volt per cell for every 1°C below 25°C	0.005 volt per cell for every 1°C above 25°C
0.0028 volt per cell for every 1°F below 77°F	0.0028 volt per cell for every 1°F above 77°F

OPERATIONAL DATA

Operating Temperature	Self Discharge
-4°F to 122°F (-20°C to 50°C) At temperatures below 32°F (0°C) maintain a state of charge greater than 60%	Less than 3% per month depending on storage temperature conditions

STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

Percentage Charge	Specific Gravity	Cell	12 Volt
100	NA	2.14	12.84
75	NA	2.09	12.54
50	NA	2.04	12.24
25	NA	1.99	11.94
0	NA	1.94	11.64

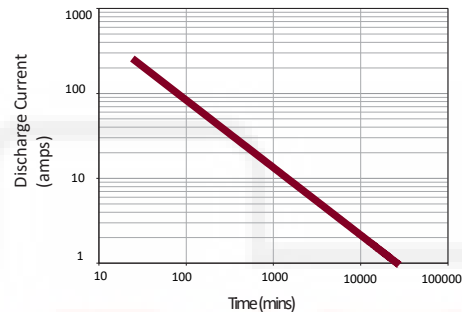


Designed in compliance with applicable BCI, DIN, BS and IEC standards. Tested in compliance to BCI and IEC standards.

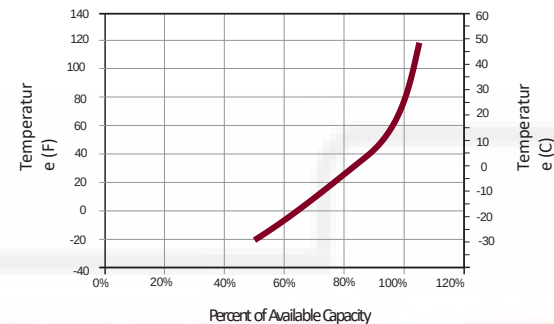


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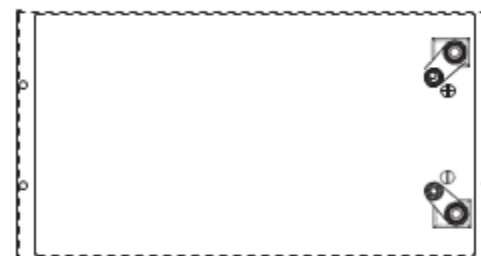
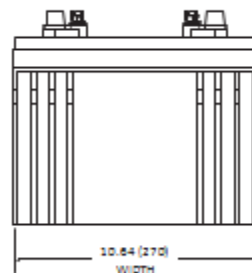
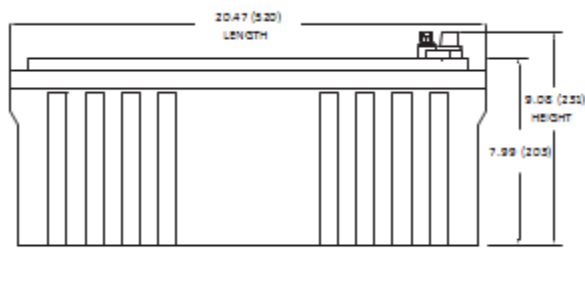
TROJAN 8D-AGM PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE



BATTERY DIMENSIONS



TERMINAL CONFIGURATIONS

6	DT	Automotive Post & Stud Terminal
		
Terminal Height Inches (mm)		
.79 (20)		
Torque Values in-lb (Nm)		
Stud: 95 – 105 (11 – 12)		
AP: 50 – 70 (6 – 8)		
Bolt Size		
5/16"		

A. The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 86°F (30°C) for all rates and maintain a voltage above 1.75V/cell. Capacities are based on peak performance.
B. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum.

C. Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
D. Terminal images are representative only.
E. A boost charge should be performed every 6 months when batteries are in storage.
F. Weight may vary.