

MODEL T1275-AGM
VOLTAGE 12
MATERIAL Polypropylene
DIMENSIONS Inches (mm)
BATTERY VRLA AGM / Non-Spillable / Maintenance-Free
COLOR Maroon
WATERING No Watering Required



12V

PRODUCT + PHYSICAL SPECIFICATIONS

BCI Group Size	Type	Terminal Type ⁶	Dimensions ^c Inches (mm)			Weight Lbs. (kg)
			Length	Width	Height ^f	
GC12	T1275-AGM	M8/AP	12.96 (329)	7.06 (179)	10.96 (278)	81 (37)

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	@ 56 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
—	—	270	102	112	127	140	148	1.78	4.3	2920

CHARGING INSTRUCTIONS

Charger Voltage Settings (at 77°F/25°C)							
System Voltage	6V	8V	12V	24V	36V	48V	
Absorption Charge (2.35 - 2.45 VPC)	7.05 - 7.35	9.4 - 9.8	14.1 - 14.7	28.2 - 29.4	42.3 - 44.1	56.4 - 58.8	
Finish Charge (2.45 VPC)	7.35	9.8	14.7	29.4	44.1	58.8	

Do not install or charge batteries in a sealed or non-ventilated compartment. Constant under or overcharging will damage the battery and shorten its life as with any battery.

CHARGING TEMPERATURE COMPENSATION

Add	Subtract
0.005 volt per cell for every 1°C below 25°C 0.0028 volt per cell for every 1°F below 77°F	0.005 volt per cell for every 1°C above 25°C 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	Cell	12 Volt
100	2.14	12.84
75	2.09	12.54
50	2.04	12.24
25	1.99	11.94
0	1.94	11.64



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



TERMINAL CONFIGURATIONS⁶

M8



Battery Height with Terminal in Inches (mm)
10.57 (268)

Torque Values: in-lb (Nm)
Bolt: 85 – 90 (10 – 11)

M8 with AP Adapter (adapter provided but not installed)

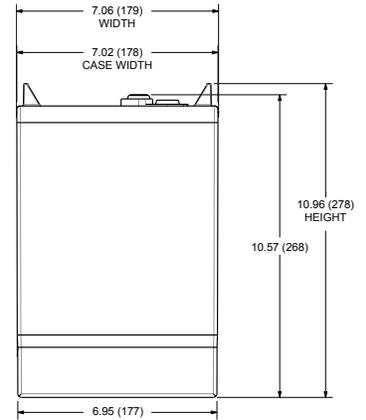
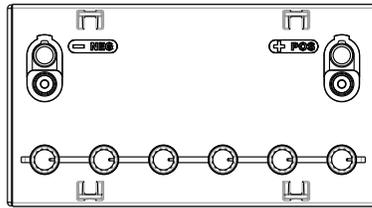
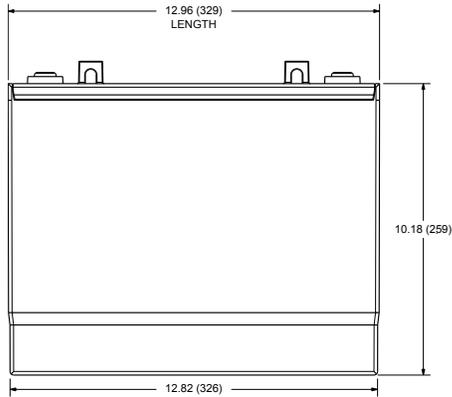


Battery Height with Terminal in Inches (mm)
11.41 (290)

Torque Values: in-lb (Nm)
Connection to M8: 85 – 90 (10 – 11)
Connection to AP: 50 – 70 (6 – 8)

BATTERY DIMENSIONS (shown with M8)

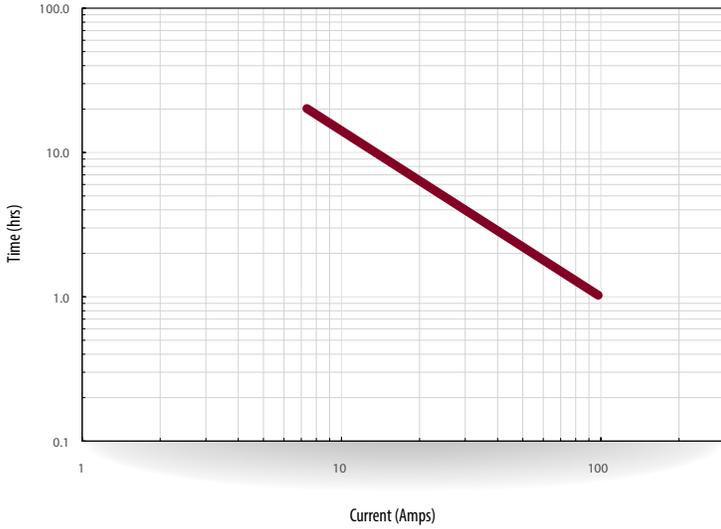
Dimensions ^c Inches (mm)



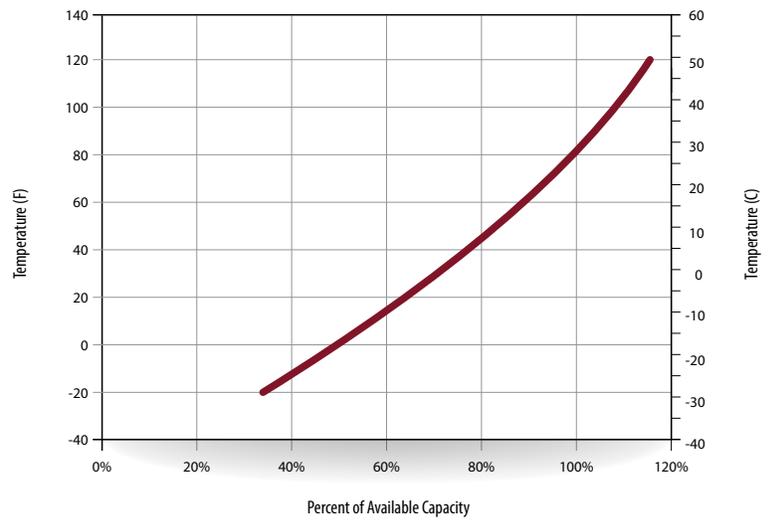
CONSTANT CURRENT DISCHARGE DATA (AMPERES AT 77°F (25°C))

End of Discharge Voltage per Cell	30 Min.	1 Hr.	2 Hr.	3 Hr.	4 Hr.	5 Hr.	6 Hr.	8 Hr.	10 Hr.	12 Hr.	20 Hr.
	0:30	1:00	2:00	3:00	4:00	5:00	6:00	8:00	10:00	12:00	20:00
1.60	160.0	86.3	48.5	35.2	28.0	23.5	20.1	15.4	12.5	10.8	7.3
1.65	158.0	85.5	48.0	34.9	27.8	23.3	19.9	15.3	12.4	10.7	7.3
1.70	151.0	84.2	46.9	33.9	27.0	22.7	19.4	14.9	12.1	10.5	7.2
1.75	142.0	81.5	45.5	32.9	26.0	22.0	18.8	14.4	11.8	10.2	7.0
1.80	121.0	71.5	41.2	30.5	24.7	20.9	18.0	13.9	11.4	9.9	6.8

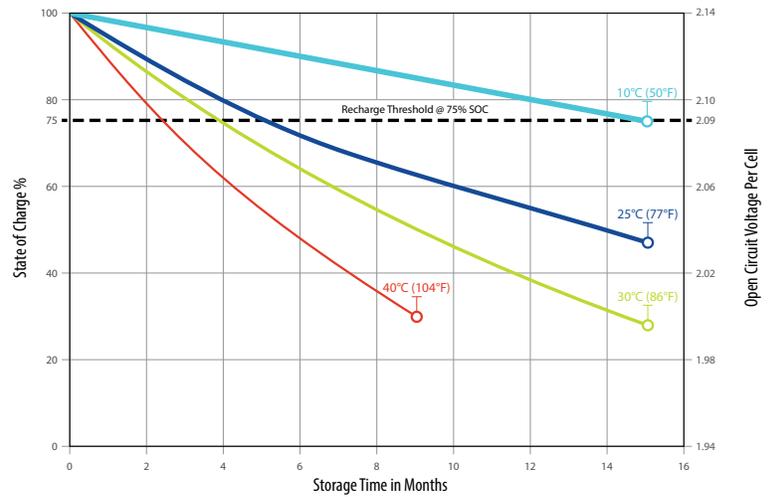
TROJAN T1275-AGM PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE



SELF DISCHARGE VS. TIME



- A. The number of minutes a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- B. The amount of amp-hours (AH) a battery can deliver when discharged at a constant rate at 80°F (27°C) for the 20-Hour rate and 86°F (30°C) for the 5-Hour rate and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- C. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum.
- D. C.C.A. (Cold Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 0°F (-18°C) at a voltage above 1.2 V/cell.

- E. C.A. (Cranking Amps) - the discharge load in amperes which a new, fully charged battery can maintain for 30 seconds at 32°F (0°C) at a voltage above 1.2 V/cell. This is sometimes referred to as marine cranking amps @ 32°F or M.C.A. @ 32°F.
- F. Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
- G. Terminal images are representative only.



800.423.6569 / +1.562.236.3000 / trojanbattery.com

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