

MODEL T105-AGM
VOLTAGE 6
MATERIAL Polypropylene
DIMENSIONS Inches (mm)
BATTERY VRLA AGM / Non-Spillable / Maintenance-Free
COLOR Maroon
WATERING No Watering Required



6V

PRODUCT + PHYSICAL SPECIFICATIONS

BCI Group Size	Type	Terminal Type ⁶	Dimensions ^c Inches (mm)			Weight Lbs. (kg)
			Length	Width	Height ^f	
GC2	T105-AGM	M8/AP/LT	10.30 (262)	7.06 (179)	10.73 (273)	68 (31)

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	1.9	3250
—	—	440	115	171	187	217	230	1.38		

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	6 Volt
100	2.14	6.42
75	2.09	6.27
50	2.04	6.12
25	1.99	5.97
0	1.94	5.82



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)

M8 with LT Adapter (adapter provided but not installed)



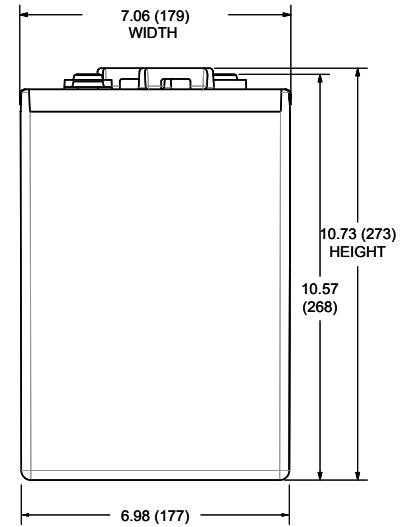
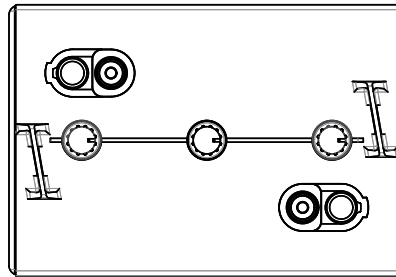
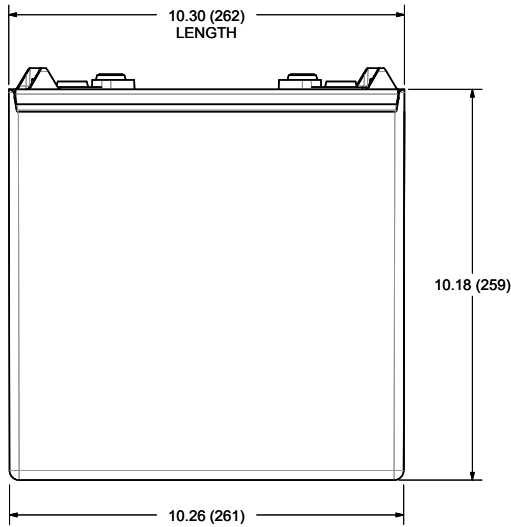
Battery Height with Terminal in Inches (mm)
15.57 (395)

Torque Values: in-lb (Nm)
Connection to M8: 85 – 90 (10-11)
Connection to LT: 65 – 75 (7.5 – 8.5)

Bolt Size
M8 x 1.25

BATTERY DIMENSIONS (shown with M8)

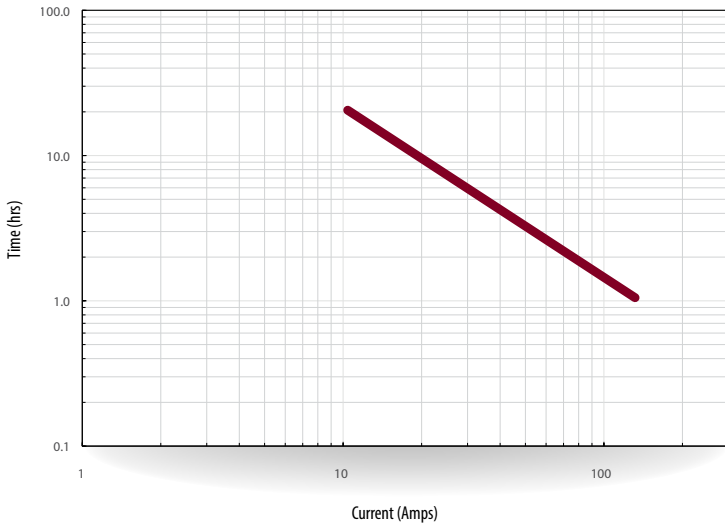
Dimensions ^c Inches (mm)



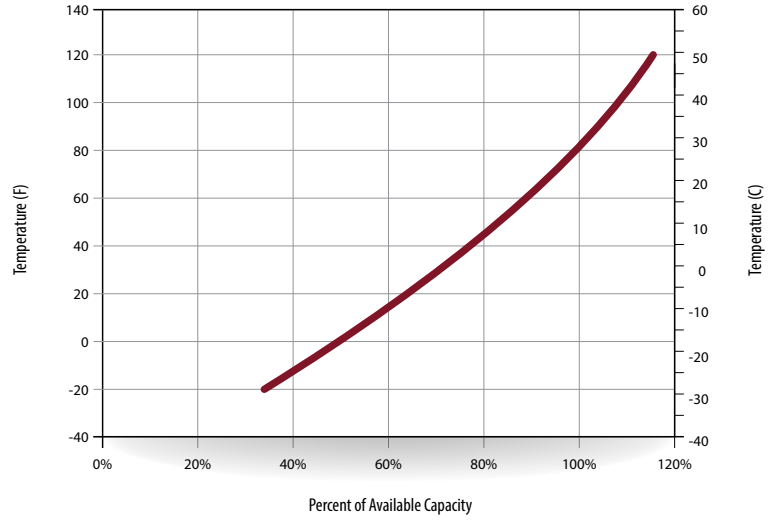
CONSTANT CURRENT DISCHARGE DATA (AMPERES AT 77°F (25°C))

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	225.0	138.0	80.0	55.0	42.8	35.5	30.3	23.4	19.3	16.7	11.1
1.65	223.0	136.0	79.0	54.4	42.0	35.0	30.0	23.2	19.2	16.7	11.0
1.70	215.0	131.0	77.5	53.0	41.3	34.7	29.7	23.0	19.0	16.5	11.0
1.75	208.0	127.0	75.0	51.8	40.6	34.2	29.2	22.6	18.7	16.3	10.9
1.80	190.0	121.0	70.5	49.6	38.8	32.6	28.0	21.9	18.2	15.9	10.7

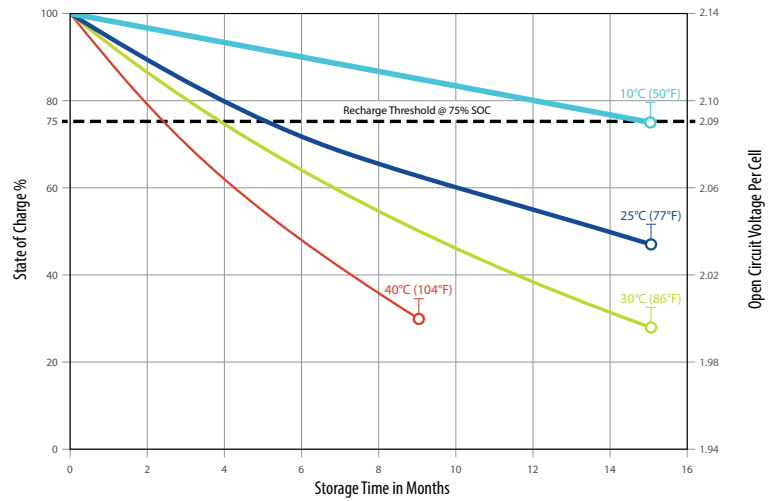
TROJAN T105-AGM PERFORMANCE



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.