

DATA SHEET



MODEL24TMX with POD ventVOLTAGE12MATERIALPolypropyleneDIMENSIONSInches (mm)BATTERYDeep-Cycle Flooded/Wet Lead-Acid BatteryCOLORMaroonWATERINGN/A



12V

PRODUCT + PHYSICAL SPECIFICATIONS

BCI Group Size	Туре	Voltage	Cell(s)	Terminal Type ^G	Dimensions ^c Inches (mm)		Weight Lbs. (kg)	
					Length	Width	Height ^F	
24	24TMX	12	6	7, 8, 9, 16	10.92 (277)	6.62 (168)	9.25 (235)	47 (21)

ELECTRICAL SPECIFICATIONS

Cranking Performance		Capacity	^A Minutes		Capacity ^B A	mp-Hours (AH)		Energy (kWh)	Internal Resistance (m Ω)	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	10 0 -Hr		
_	- V	140	36	70	78	85	94	1.13		—

CHARGING INSTRUCTIONS

Charger Voltage Settings (at 77°F/25°C)							
System Voltage 12V 24V 36V 48V							
Bulk Charge	14.82	29.64	44.46	59.28			
Float Charge	13.50	27.00	40.50	54.00			
Equalize Charge 16.20 32.40 48.60 64.80							
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							

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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 113°F (-20°C to +45°C). At temperatures below 32°F (0°C) maintain a state of charge greater than 60%.	5 – 15% per month depending on storage temperature conditions.			

STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

Percentage Charge	Specific Gravity	Cell	12 Volt
100	1.277	2.122	12.73
90	1.258	2.103	12.62
80	1.238	2.083	12.50
70	1.217	2.062	12.37
60	1.195	2.040	12.24
50	1.172	2.017	12.10
40	1.148	1.993	11.96
30	1.124	1.969	11.81
20	1.098	1.943	11.66
10	1.073	1.918	11.51



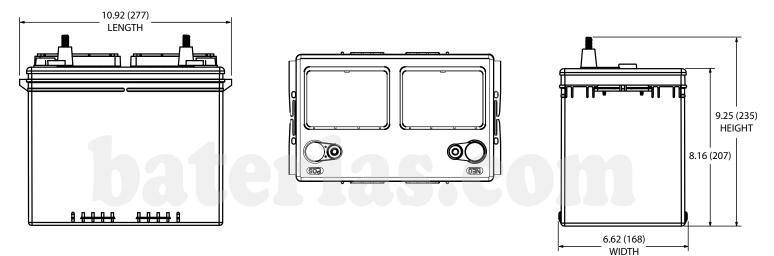




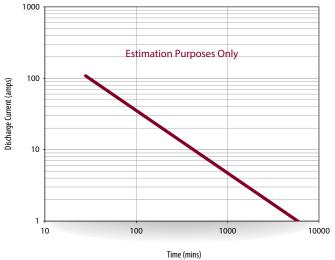
TERMINAL CONFIGURATIONS⁶

7	UT	UT Universal Terminal		8	AP	Automotive Post Terminal	
e		Terminal Height Inches (mm) 1.10 (28) Torque Values in-Ib (Nm) 95 – 105 (11 – 12) Bolt 5/16"				Terminal Height Inches (mm) 0.83 (21) Torque Values In-Ib (Nm) 50 – 70 (6 – 8)	
9	WNT	Wingnut Terminal		16	SLT	Small L-Terminal	
		Terminal Height Inches (mm) 1.50 (38) Torque Values in-Ib (Nm) 95 - 105 (11 - 12) Bolt 5/16"				Terminal Height Inches (mm) 1.31 (33) Torque Values in-Ib (Nm) 95 – 105 (11 – 12) Bolt 5/16"	

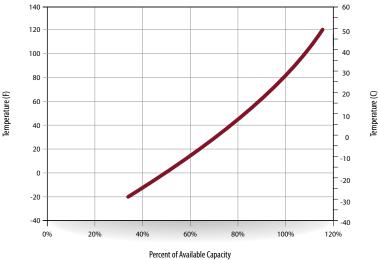
BATTERY DIMENSIONS (shown with WNT)



TROJAN 24TMX PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE



The number of minutes a battery can deliver when discharged at a constant rate at 80°F (27°C) and maintain a voltage above A.

B.

1.75 V/cell. Capacities are based on peak performance. The amount of amp-hours (AH) 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. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing c.

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.

(-18°C) at a voitage above 1.2 V/ceil.
CA. (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 voitage above 1.2 V/ceil. This is sometimes referred to as marine cranking amps @ 32°F or M.C.A. @ 32°F.
Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal. E.

24TMX DS 2016_0811

F. G. Terminal images are representative only.

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