Trojan BATTERY COMPANY

DATA SHEET T-1275 PLUS

MODEL **T-1275 Plus with Flip Top**
VOLTAGE **12**
MATERIAL **Polypropylene**
DIMENSIONS **Inches (mm)**
BATTERY **Deep-Cycle Flooded/Wet Lead-Acid Battery**
COLOR **Maroon**
WATERING **N/A**

12V

PRODUCT + PHYSICAL SPECIFICATIONS

BCI Group Size	Type	Voltage	Cell(s)	Terminal Type [G]	Dimensions [C] Inches (mm)			Weight Lbs. (kg)
					Length	Width	Height [F]	
GC12	T-1275 Plus	12	6	1	12.96 (329)	7.13 (181)	10.71 (272)	85 (39)

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	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	100-Hr		
—	—	280	102	70	120	134	150	166	1.99	—	—

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.

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 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

MADE IN USA

TRUE DEEP CYCLE

T2 Technology™

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

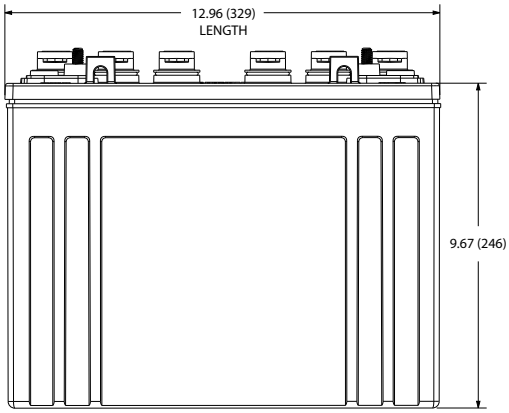
Battery Council International

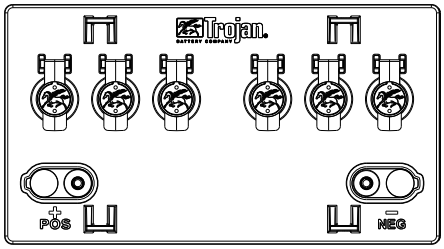
TROJAN BATTERY COMPANY WITH QUALITY SYSTEM CERTIFIED BY DNV = ISO 9001:2008 =

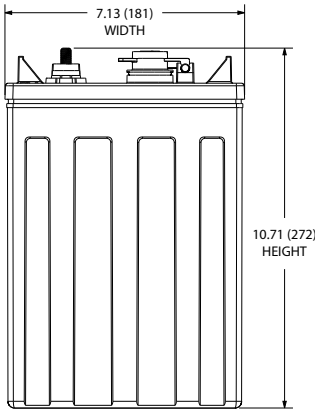
TERMINAL CONFIGURATIONS[G]

1	ELPT	Embedded Low Profile Terminal
		**Terminal Height Inches (mm)** 1.22 (31) **Torque Values in-lb (Nm)** 95 – 105 (11 – 12) **Bolt** 5/16″

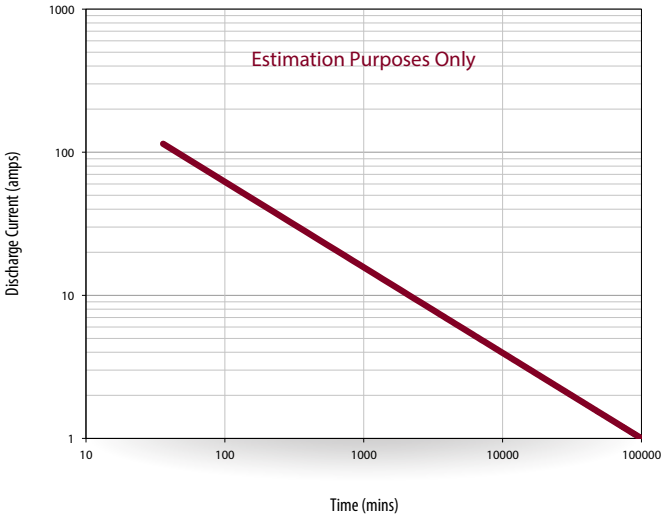
BATTERY DIMENSIONS (shown with ELPT)



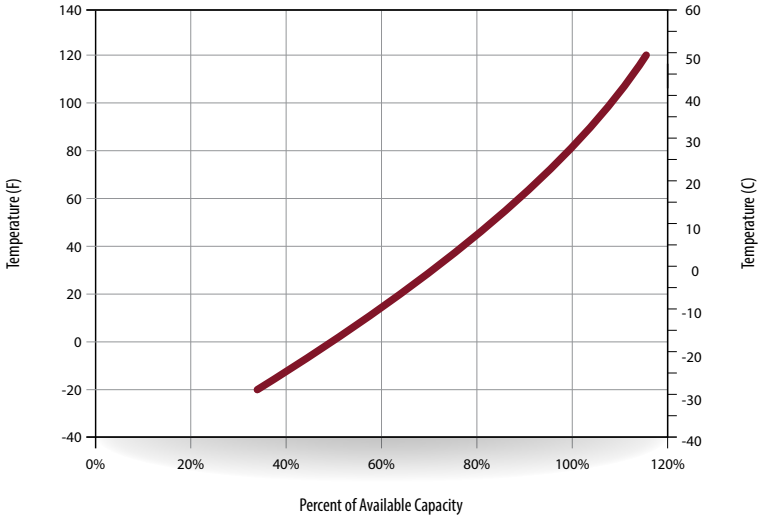




TROJAN T-1275 PLUS PERFORMANCE



PERCENT CAPACITY VS. TEMPERATURE



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) 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.

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