

DATA SHEET

S-1275

MODEL S-1275 with Master Vent

VOLTAGE 12V

CAPACITY 145Ah @ 20Hr

MATERIAL Polypropylene

BATTERY Deep-Cycle Flooded/Wet Lead-Acid Battery

COLOR Black

WATERING HydroLink™ Watering System



12V Silver Line

PRODUCT + PHYSICAL SPECIFICATIONS

Model	Terminal Type ^E	Dimensions ^c Inches (mm)			Weight Lbs. ^F (kg)	Handles	Installation Orientation
		Length	Width	Height ^D		Embedded Handle Brackets	
S-1275	1	12.96 (329)	7.13 (181)	10.71 (272)	78 (35)		Upright

ELECTRICAL SPECIFICATIONS

Voltage	Capacity ^A Minutes		Capacity ^B Amp-Hours (Ah)			Energy (kWh)	Internal Resistance (m Ω)	Short Circuit Current (amps)		
12V	@ 25 Amps	@ 56 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr	20-Hr		
120	260	90	60	113	126	145	155	1.74	_	_

CHARGING INSTRUCTIONS

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

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



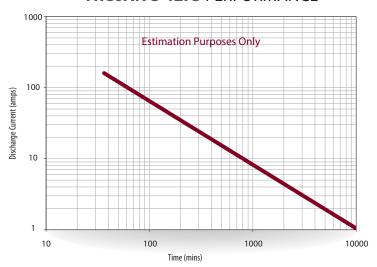




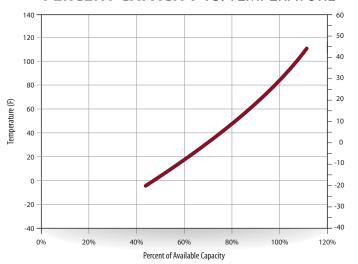




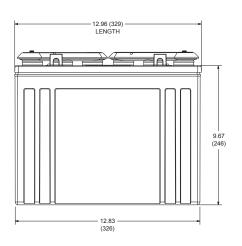
TROJAN S-1275 PERFORMANCE

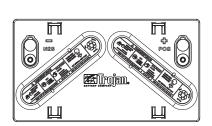


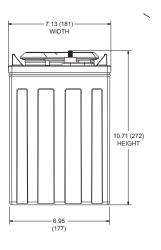
PERCENT CAPACITY VS. TEMPERATURE



BATTERY DIMENSIONS (shown with ELPT)







TERMINAL CONFIGURATIONS⁵

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" - 18

- 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.

 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 minimum.

 Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
- Terminal images are representative only
- Weight may vary.

