

MODEL **U1-AGM**
 VOLTAGE **12V**
 CAPACITY **34Ah @ 20Hr**
 MATERIAL **ABS**
 BATTERY **VRLA AGM / Non-Spillable / Maintenance-Free**
 COLOR **Black**
 WATERING **No Watering Required**



12V

PRODUCT + PHYSICAL SPECIFICATIONS

Model	Terminal Type ^E	Dimensions ^C Inches (mm)			Weight Lbs. ^F (kg)	Handles	Installation Orientation
		Length	Width	Height ^D			
U1-AGM	15	7.68 (195)	5.12 (130)	6.30 (160)	24 (11)	Rope with Molded Plastic Handle Grip	Horizontal and Vertical

ELECTRICAL SPECIFICATIONS

Voltage	Capacity ^A Minutes			Capacity ^B Amp-Hours (Ah)				Energy (kWh)	Internal Resistance (mΩ)	Short Circuit Current (amps)
	@ 25 Amps	@ 56 Amps	@ 75 Amps	5-Hr	10-Hr	20-Hr	100-Hr			
12V	32	-	-	28	32	34	39	.47	5.75	1100

CHARGING INSTRUCTIONS

Charger Voltage Settings (at 77°F/25°C)				
System Voltage	12V	24V	36V	48V
Maximum Charge Current (A)	20% of C ₂₀			
Absorption Voltage (2.40 V/cell)	14.40	28.80	43.20	57.60
Float Voltage (2.25 V/cell)	13.50	27.00	40.50	54.00

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

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

OPERATIONAL DATA

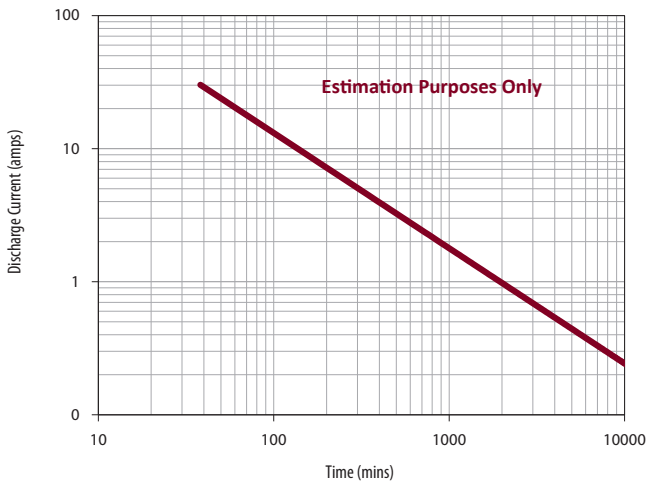
Operating Temperature	Self Discharge
-4°F to 122°F (-20°C to 50°C) At temperatures below 32°F (0°C) maintain a state of charge greater than 60%	Less than 3% per month depending on storage temperature conditions



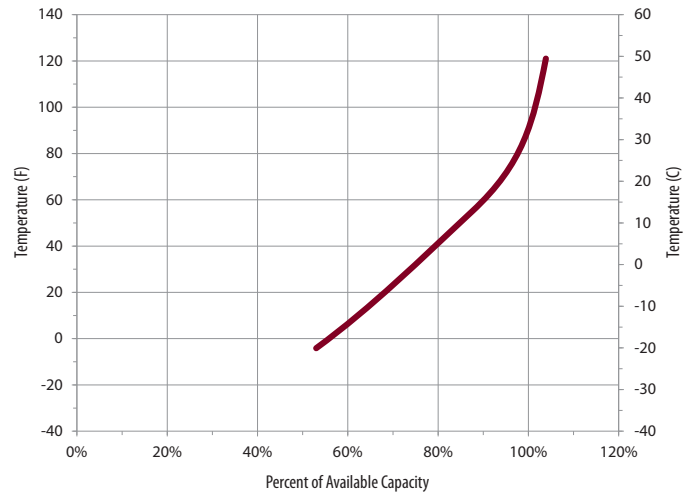
Designed in compliance with applicable BCI, DIN, BS and IEC standards.
 Tested in compliance to BCI and IEC standards.



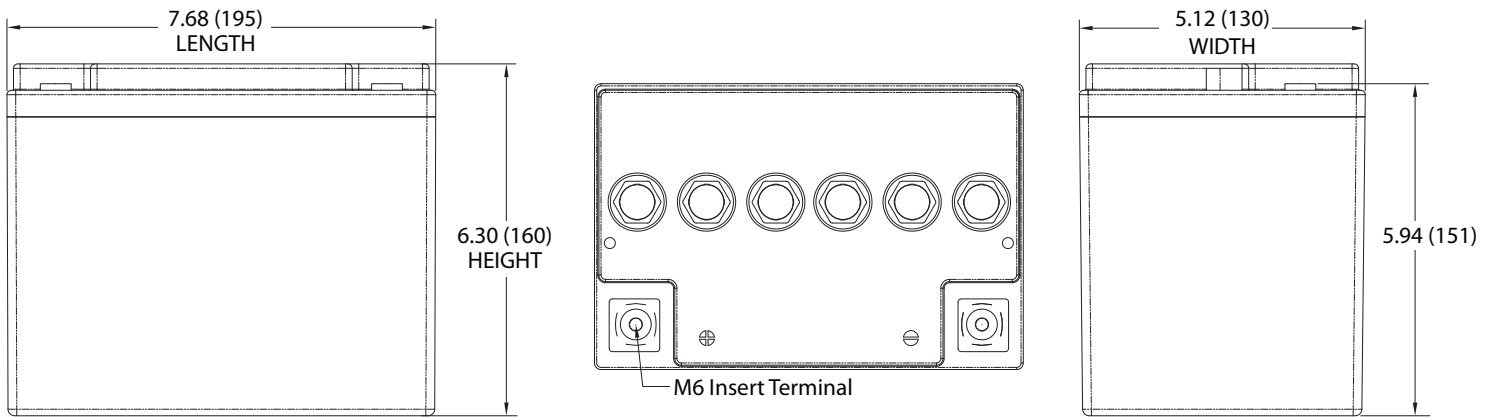
TROJAN U1-AGM PERFORMANCE




PERCENT CAPACITY VS. TEMPERATURE



BATTERY DIMENSIONS (shown with M6)



TERMINAL CONFIGURATION^E

15	M6	M6
		<p>Terminal Height Inches (mm) .12 (3)</p> <p>Torque Values in-lb (Nm) 44 - 62 (5 - 7)</p> <p>Bolt M6 x 16mm</p>

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