

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 <sup>E</sup>	Dimensions <sup>C</sup> Inches (mm)			Weight Lbs. <sup>F</sup> (kg)	Handles	Installation Orientation
		Length	Width	Height <sup>D</sup>			
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 <sup>A</sup> Minutes			Capacity <sup>B</sup> 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 <sub>20</sub>			
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**

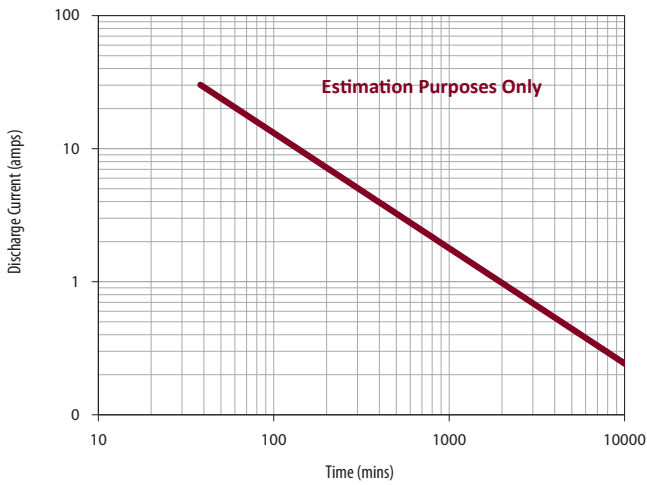
Operating Temperature	Self Discharge
-4°F to 122°F (-20°C to 50°C) At temperatures below 32°F (0°C) maintain a state of charge greater than 60%	Less than 3% per month depending on storage temperature conditions



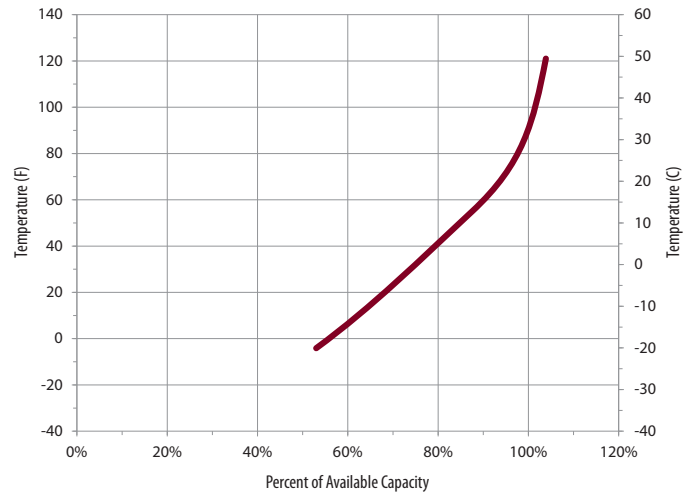
Designed in compliance with applicable BCI, DIN, BS and IEC standards.  
 Tested in compliance to BCI and IEC standards.



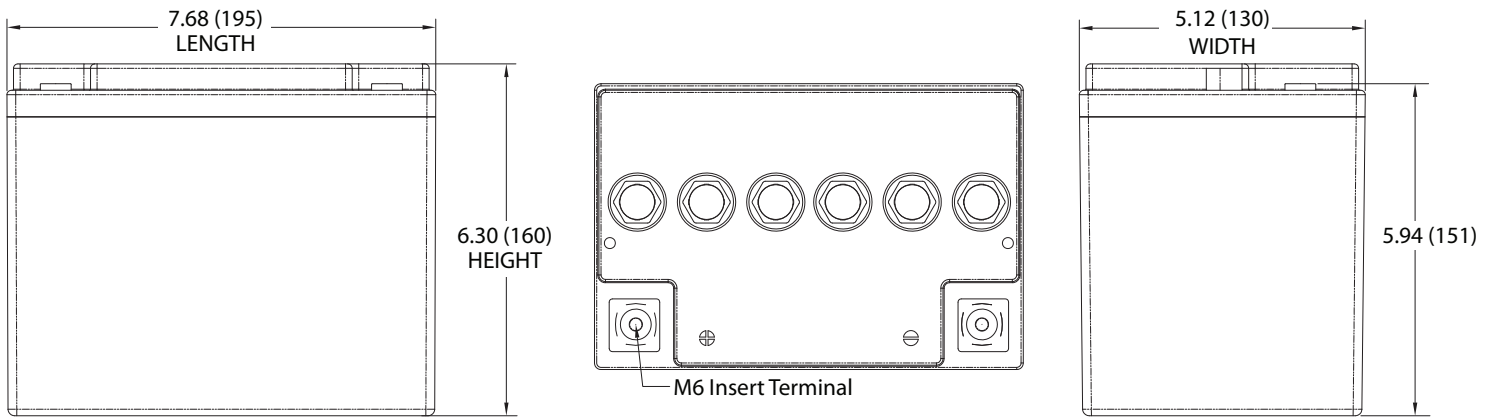
## TROJAN U1-AGM PERFORMANCE




## PERCENT CAPACITY VS. TEMPERATURE



## BATTERY DIMENSIONS (shown with M6)



## TERMINAL CONFIGURATION<sup>E</sup>

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