


MODEL **SAGM 06 375**
 VOLTAGE **6V**
 CAPACITY **375Ah @ 20Hr**
 MATERIAL **Polypropylene**
 BATTERY **VRLA AGM / Non-Spillable / Maintenance-Free**
 COLOR **Maroon**
 WATERING **No Watering Required** 
 IEC 61427 **8+ Years Life**



6V

PRODUCT + PHYSICAL SPECIFICATIONS

| Model | Terminal Type ^D | Dimensions ^B Inches (mm) | | | Weight Lbs. ^F (kg) | Handles | Installation Orientation |
|-------------|----------------------------|-------------------------------------|------------|---------------------|-------------------------------|--------------|--------------------------|
| | | Length | Width | Height ^C | | | |
| SAGM 06 375 | M8/LT | | | | 114 (52) | Braided Rope | Horizontal and Vertical |
| | | 11.66 (296) | 6.94 (176) | 16.31 (414) | | | |

ELECTRICAL SPECIFICATIONS

| Voltage | Capacity ^A Amp-Hours (Ah) | | | | | Energy kWh | Internal Resistance (mΩ) | Short Circuit Current (A) |
|---------|--------------------------------------|-------|-------|-------|--------|------------|--------------------------|---------------------------|
| | 10-Hr | 20-Hr | 48-Hr | 72-Hr | 100-Hr | | | |
| 6V | | | | | | 20-Hr | 1.7 | 3650 |
| | 329 | 375 | 389 | 394 | 400 | 2.25 | | |

CHARGING INSTRUCTIONS

| Charger Voltage Settings (at 77°F/25°C) | | | | | | |
|---|------------------------|------|-------|-------|-------|-------|
| System Voltage | 6V | 8V | 12V | 24V | 36V | 48V |
| Bulk | 20% of C ₂₀ | | | | | |
| Absorption Charge (2.40 VPC) | 7.20 | 9.60 | 14.40 | 28.80 | 43.20 | 57.60 |
| Float Charge (2.25 VPC) | 6.75 | 9.00 | 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

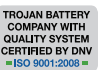
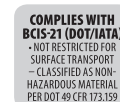
| Percentage Charge | Cell | 6 Volt |
|-------------------|------|--------|
| 100 | 2.14 | 6.42 |
| 75 | 2.09 | 6.27 |
| 50 | 2.04 | 6.12 |
| 25 | 1.99 | 5.97 |
| 0 | 1.94 | 5.82 |

OPERATIONAL DATA

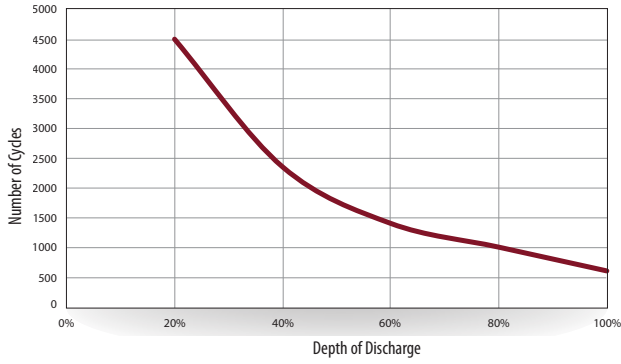
| Operating Temperature | Self Discharge |
|--|--|
| -4°F to 122°F (-20°C to 50°C) At temperatures below 32°F (0°C) maintain a state of charge greater than 60% | Less than 3% per month depending on storage temperature conditions |



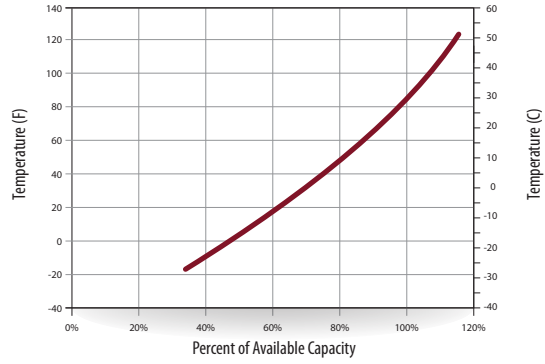
Designed in compliance with applicable BCI, DIN, BS and IEC standards. Tested in compliance to BCI and IEC standards.



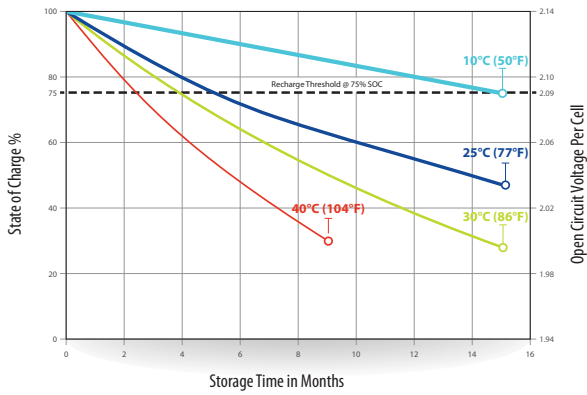
SOLAR CYCLE-LIFE



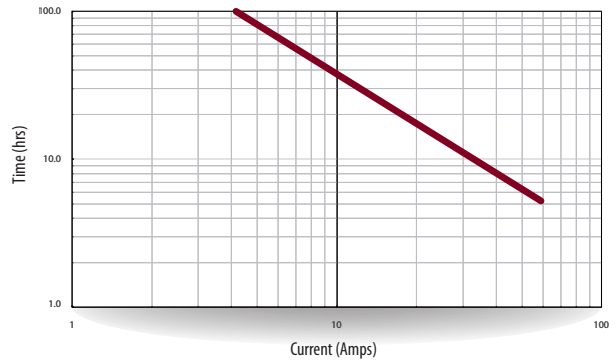
CAPACITY VS. OPERATING TEMPERATURE



SELF DISCHARGE VS. TIME^E

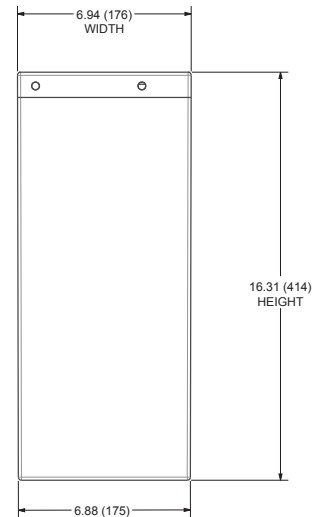
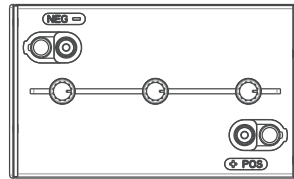
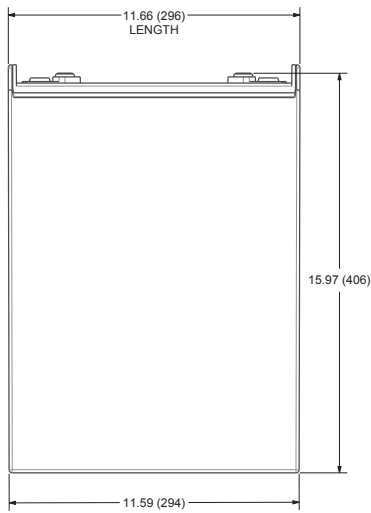


TROJAN SAGM 06 375 PERFORMANCE



BATTERY DIMENSIONS

Dimensions Inches (mm) - shown with M8, height is 17.47 with LT



TERMINAL CONFIGURATIONS^D

M8



Battery Height with Terminal in Inches (mm)
15.97 (406)

Torque Values: in-lb (Nm)
Bolt: 85 – 90 (10 – 11)

M8 with LT Adapter (adapter provided but not installed)



Battery Height with Terminal in Inches (mm)
17.47 (444)

Torque Values: in-lb (Nm)
Connection to M8: 85 – 90 (10-11)
Connection to LT: 65 – 75 (7.5 – 8.5)

Bolt Size
M8 x 1.25

- A. The amount of amp-hours (Ah) a battery can deliver when discharged at a constant rate at 86°F (30°C) for all rates and maintain a voltage above 1.75 V/cell. Capacities are based on peak performance.
- B. Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum.

- C. Height taken from bottom of the battery to the highest point on the battery. Heights may vary depending on type of terminal.
- D. Terminal images are representative only.
- E. A boost charge should be performed every 6 months when batteries are in storage.
- F. Weight may vary.