

MODEL T1275-AES

VOLTAGE 12

CAPACITY 130Ah @ 20Hr MATERIAL Polypropylene

BATTERY VRLA AGM / Non-Spillable / Maintenance-Free

COLOR Maroon

WATERING No Watering Required





12 VOLT

PHYSICAL SPECIFICATIONS

| BCI | MODEL NAME | TERMINAL TYPE | DIMENSIONS © INCHES (mm) | | | WEIGHT LBS. (kg) | HANDLES | INSTALLATION ORIENTATION |
|------|------------|---------------|--------------------------|------------|-------------|------------------|----------|--------------------------|
| 2010 | | | LENGTH | WIDTH | HEIGHT F | a= (aa) | | Horizontal |
| GC12 | T1275-AES | M8/AP/LT | 12.96 (329) | 7.06 (179) | 10.96 (278) | 85 (39) | Embedded | and Vertical |

ELECTRICAL SPECIFICATIONS

| VOLTAGE | CRANKING PE | RFORMANCE | CAPACITY A MINUTES | | CAPACITY ^B AMP-HOURS (Ah) | | | | | INTERNAL RESISTANCE (m Ω) | SHORT CIRCUIT CURRENT (amps) |
|---------|--------------------------|-------------------------|--------------------|-----------|--------------------------------------|-------|-------|--------|--------|-----------------------------------|------------------------------|
| 10 | C.C.A. ^D @0°F | C.A. ^E @32°F | @ 25 Amps | @ 56 Amps | 5-Hr | 10-Hr | 20-Hr | 100-Hr | 100-Hr | 4.0 | 2920 |
| 12 | - | - | 217 | 78 | 99 | 112 | 130 | 141 | 1.69 | 4.3 | |

CHARGING INSTRUCTIONS

| CHARGER VOLTAGE SETTINGS (AT 77°F/25°C) | | | | | |
|---|------------------------|-------|-------|-------|--|
| SYSTEM VOLTAGE | 12V | 24V | 36V | 48V | |
| Maximum Charge Current (A) | 50% 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 |

OPERATIONAL DATA

| OPERATING TEMPERATURE | SELF DISCHARGE |
|---|--|
| -40°F to 140°F (-40°C to $+60$ °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 |

RECYCLE RESPONSIBLY



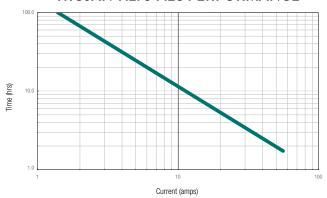




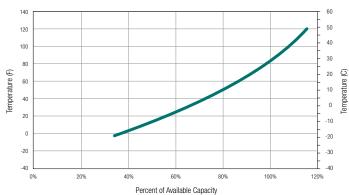
STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

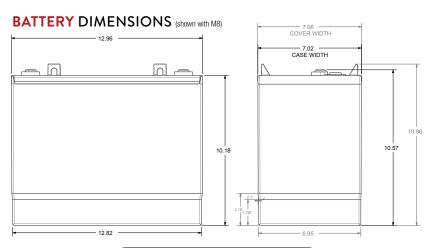
| PERCENTAGE CHARGE | CELL | 12 VOLT |
|-------------------|------|---------|
| 100 | 2.14 | 12.84 |
| 75 | 2.09 | 12.54 |
| 50 | 2.04 | 12.24 |
| 25 | 1.99 | 11.94 |
| 0 | 1.94 | 11.64 |

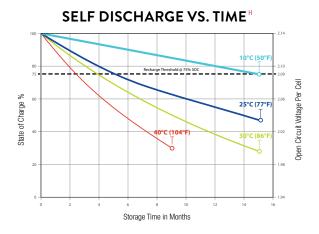
TROJAN T1275-AES PERFORMANCE

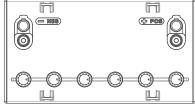


PERCENT CAPACITY VS. TEMPERATURE

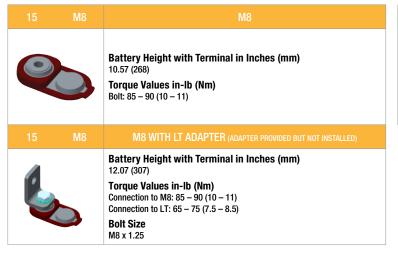








TERMINAL TYPE



Battery Height with Terminal in Inches (mm) 11.41 (290) Torque Values in-lb (Nm) Connection to M8: 85 - 90 (10 - 11)Connection to AP: 50 - 70 (6 - 8)

- 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
- The amount of named a patient value when value as a constant rate at 80°F (27°C) and maintain a voltage above 1.75 Vicell. 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 Vicell. Capacities are based on peak performance.
- 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.
- Dimensions may vary depending on type of handle or terminal. Batteries should be mounted with 0.5 inches (12.7 mm) spacing minimum.
- 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 CAL Clothaning Analysis are deschaled before an amperes which a reversible place of the control and a second at 32 Voicel. This is sometimes referred to as marine cranting amps @ 32°F or M.C.A. @ 32°F. 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.

- Batteries in storage should be charged when they decline to 75% State of Charge (SOC).
- Weight may vary.















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

