



J150



1200 CYCLES @ 50 % DOD

• TRULY DEEP CYCLE – MAXGUARD T2

- BCI Group N/A, 12V
- Reserve Capacity [Ah@20hr rate]: 150
- Reserve Capacity [Ah@100hr rate]: 166
- Energy [kWh]: 1.99
- Weight: 84 lbs.
- Length: 13.70 in (348 mm)
- Width: 7.13 in (181 mm)
- Height: 10.71 in (272 mm)
- ELPT / EHPT
- BAYONET / PLUS / HYDROLINK

T2 Technology™



The Signature Line of deep-cycle flooded batteries is the flagship of Trojan’s product portfolio.

Engineered to provide rugged durability and outstanding performance, Trojan’s Signature is perfectly suited for use in renewable energy systems where lowest life-cycle cost is the key consideration. An all-around power house, the Signature Line features Trojan’s historically-proven engineering with T2 Technology™, an advanced battery technology for maximum sustained performance, longer life and increased total energy.



MODEL J150
VOLTAGE 12V
CAPACITY 150Ah @ 20Hr
MATERIAL Polypropylene
BATTERY TYPE Deep Cycle Flooded / Wet Lead Acid Battery

12V

PRODUCT + PHYSICAL SPECIFICATIONS

| BCI Group Size | Type | Voltage | Cell(s) | Terminal Type ⁶ | Dimensions ^c Inches (mm) | | | Weight Lbs. (kg) |
|----------------|------|---------|---------|----------------------------|-------------------------------------|------------|---------------------|------------------|
| | | | | | Length | Width | Height ^f | |
| N/A | J150 | 12 | 6 | 1,2 | 13.70 (348) | 7.13 (181) | 11.13 (283) | 62 (28) |

ELECTRICAL SPECIFICATIONS

| Cranking Performance | | Capacity ^A Minutes | | Capacity ^B Amp-Hours (AH) | | | | Energy (kWh) | Internal Resistance (mΩ) | Short Circuit Current (amps) |
|-----------------------------------|--------------------------------|-------------------------------|-----------|--------------------------------------|-------|-------|--------|--------------|--------------------------|------------------------------|
| C.C.A. ^D @ 0°F (-18°C) | C.A. ^E @ 32°F (0°C) | @ 25 Amps | @ 75 Amps | 5-Hr | 10-Hr | 20-Hr | 100-Hr | 100-Hr | — | — |
| — | — | 280 | 70 | 120 | 134 | 150 | 166 | 1.99 | | |

CHARGING INSTRUCTIONS

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

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 | 0.005 volt per cell for every 1°C above 25°C |
| 0.0028 volt per cell for every 1°F below 77°F | 0.0028 volt per cell for every 1°F above 77°F |

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 |

STATE OF CHARGE MEASURE OF OPEN-CIRCUIT VOLTAGE

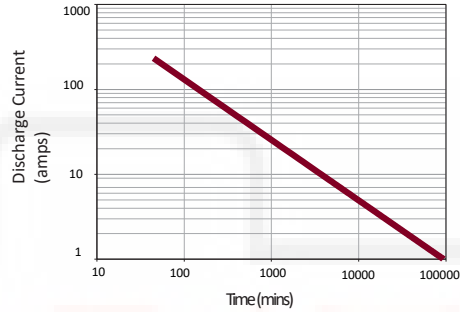
| Percentage Charge | Specific Gravity | Cell | 12 Volt |
|-------------------|------------------|-------|---------|
| 100 | 1.277 | 2.122 | 12.73 |
| 90 | 1.258 | 2.103 | 12.62 |
| 80 | 1.238 | 2.083 | 12.50 |
| 70 | 1.217 | 2.062 | 12.37 |
| 60 | 1.195 | 2.040 | 12.24 |
| 50 | 1.172 | 2.017 | 12.10 |
| 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 |



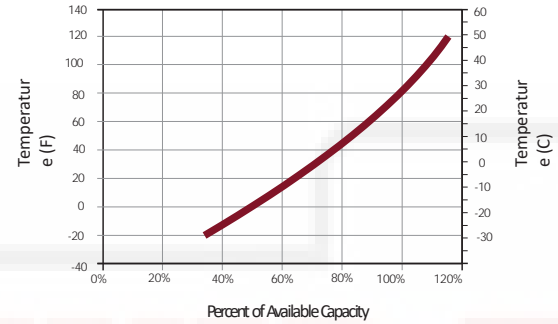
Designed in compliance with applicable BCI, DIN, BS and IEC standards. Tested in compliance to BCI and IEC standards.



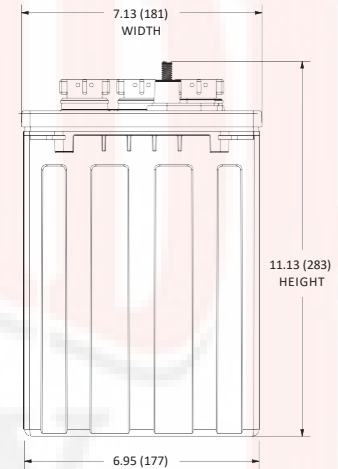
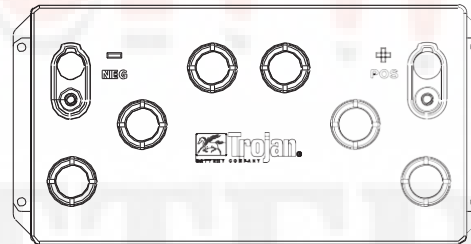
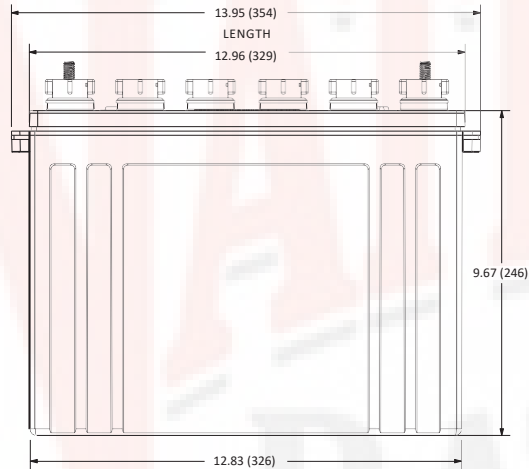
TROJAN J150 PERFORMANCE




PERCENT CAPACITY VS. TEMPERATURE




BATTERY DIMENSIONS (shown with EHPT)



| 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" |

TERMINAL CONFIGURATIONS

| 2 | EHPT EMBEDDED HIGH PROFILE TERMINAL |
|---|--|
|  | Terminal Height Inches (mm) 1.50 (38) Torque Values in-lb (Nm) 95 – 105 (11 – 12) Bolt 5/16" |