THERMO KING

TRANE TECHNOLOGIES

CUSTOMER ADVANTAGE GUIDE

ThermoLite® TRU Solar Panels with Anti-Shade Technology

Every Part **Matters.**

TRU-mounted solar panels operate in demanding real-world environments. Partial shade, dirt, soot, grime, and other obstructions can reduce the effectiveness of traditional solar panels and limit charging performance.



Anti-shade technology is engineered specifically for the TRU mounting location, helping maintain battery charge more reliably even when the panel encounters partial obstruction. The result is more dependable charging performance across real-world operating conditions.

*Available for TRU-mounted applications only, anti-shade tolerant technology is specifically designed for the unique demands of TRU roof-mounted installations.

Customer Benefits

- Improved uptime
- Reduced battery-related no-start events
- Longer battery life
- Lower total cost of ownership
- More reliable charging during extended dwell periods

Resilient Charging

Anti-shade technology continues to charge TRU battery even when panel is partially shaded or obstructed.

Charge Behavior

Provides solar charging at higher battery voltages - supporting more complete charging and reducing sulfation risk.

Battery Readiness

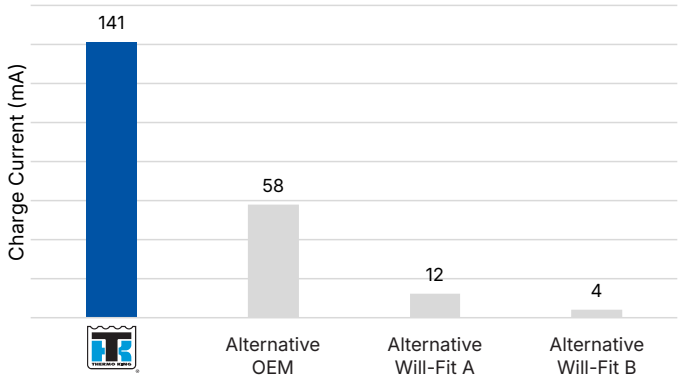
Support TRU battery readiness during dwell, overcoming parasitic loads through variable solar conditions.

Performance is more than a promise. **It's Proven.**

In controlled testing, Thermo King's Anti-Shade Technology demonstrated significantly greater charging resilience under shaded conditions, helping keep power available for the applications you need them for. It delivered more than 2.4x the average charging current of the nearest tested competitor.

Source: Third-party comparative solar testing, July 2026. 30W solar panels, 2-days under simulated 3-rows shaded

Solar Performance Under Shade

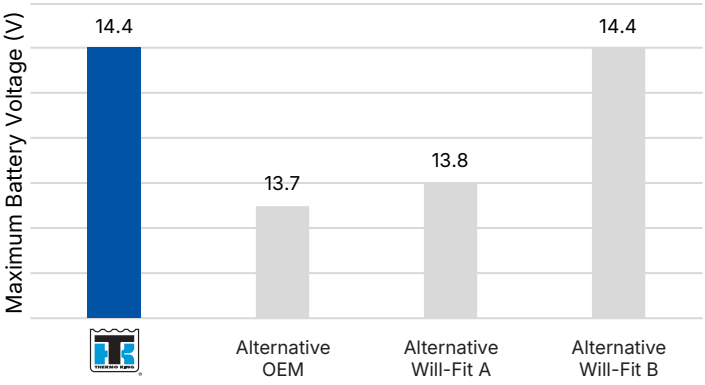


>2.4x
CHARGE CURRENT OF THE NEAREST COMPETITOR

UP TO 14.4V
DESULFATION OF LEAD ACID BATTERIES

180+
AUTHORIZED DEALERS

Battery Desulfation Comparrison



While competitors solar systems stop charging at lower voltages, Thermo King continues charging to 14.4V for desulfation of lead acid batteries, improving longevity.

Not charging above 14.2V may lead to premature battery failure due to increased sulfation risk

Source: Third-party comparative solar testing, August 2026. 30W solar panels, 2-days, non-shaded, horizontal orientation

All Thermo King equipment is backed by the Thermo King dealer service network, with locations all across North America. **To find a dealer in your area, go to www.thermoking.com.**

57751-11-PL (10/26)
© 2026 Trane Technologies. All Rights Reserved.