

ThermoLite® TRU Solar Panels with Anti-Shade Technology

Reliable charging through shade, dirt, and grime.
Built for real-world TRU roof conditions.



Why Solar on a TRU?

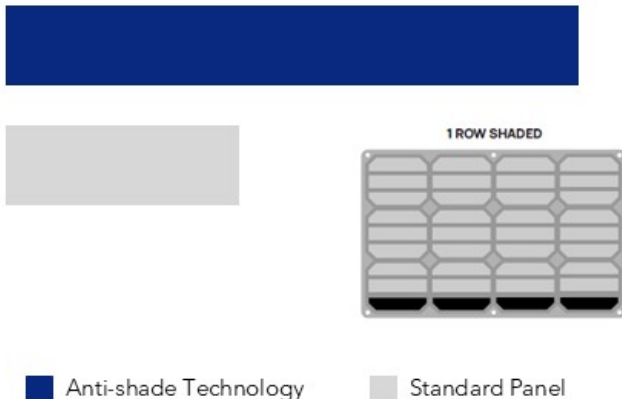
TRU batteries are under constant strain from parasitic loads caused by telematics and controllers, even when the unit is not operating. Over extended trailer dwell periods, this ongoing drain can lead to dead batteries, no-start events, service calls, and unnecessary downtime.

Solar helps address this challenge by maintaining battery charge without manual intervention, supporting more reliable starting performance and better battery health.

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

Solar Charge Under Shade



The table above reflects the results of comparative testing between two solar panels, one featuring anti-shade technology and one standard panel, under partial shading conditions. The table shows the performance of a standard panel and a panel with anti-shade technology with one row shaded.

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 when it is needed most.

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.

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.