

THERMO KING SOLAR PANELS

— more uptime and less fuel
consumption —



**EXTENDED
RANGE**

POWER MANAGEMENT SOLUTIONS
FOR TRUCK AND TRAILER
TRANSPORT REFRIGERATION UNITS

Thermo King solar panels

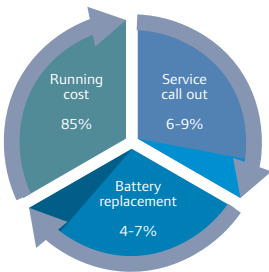
HARNESS THE POWER OF THE SUN AND ELIMINATE FLAT BATTERY CALLOUTS

Thermo King solar panels provide a sustainable power management solution for truck and trailer refrigeration units, increasing battery life while reducing fuel consumption and emissions.

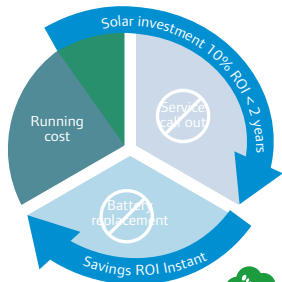
Tough, weatherproof panels collect solar energy, even when light levels are low to keep your battery in prime condition. Your engines will no longer operate just to charge the battery, reducing fuel consumption and CO₂ emissions while helping to meet sustainability goals.



Unit without Solar Panel



Unit with Solar Panel



- Overtime
- EnergyOne® Platinum

- Fuel savings up to 23%*
 - CO₂
- *Please contact your local dealer for further information.

THERMO KING SOLAR PANELS - MULTIPLE CHOICE

Thermo King solar panels come in various sizes and capacities. Choose one or combine panels to best suit your needs.

12 VOLT THERMOLITE™ SOLAR PANEL FOR TRUCK TRAILER REFRIGERATION UNITS - 40W/110W

The 12V models (40W & 110W) are designed to use on your refrigeration unit (even competitor's unit). With combined solar power, your unit is always doing what you need it to do – protecting your cargo – rather than using energy and fuel to top up its battery.

24 VOLT THERMOLITE™ SOLAR PANEL - 40W/110W

Our range includes two 24V models, for extra performance on tractor and tail lift applications.

NEW - THERMOLITE™ SOLAR PANELS FOR ADVANCER - 40W AND 50W

Advancer units with an integrated solar panel on the unit (50W) can be powered up as well. Thermo King now offers a second solar panel of 40W to increase the total power to 90W. The additional panel integrates with your existing set-up and charge controller and is suitable for vehicles that already have a Thermo King solar panel installed. Adding the extra panel is recommended when the Advancer unit solar panel is positioned 5 cm or more below the trailer roof. This will enable the benefit from the fuel savings associated with the reduction of 'null run' time in Cycle-Sentry. To find the right solution, ask your dealer about the **Solar Savings Calculator Tool**.

FEATURES

- Generate ample charging current even in low light conditions, ensuring that the unit battery will stay charged, even in winter.
- Exceptional efficiency delivers greater charge than competitor systems.
- Low profile design for height restrictions & easy installation.
- Simple, rapid 60 minute installation on any application. Kit includes all necessary components under one part number.
- Tests in extreme weather conditions prove exceptional durability of sealed electronics and flexible polymer cells.
- Extreme durability and resistance to trailer washing and chemical cleaning process.

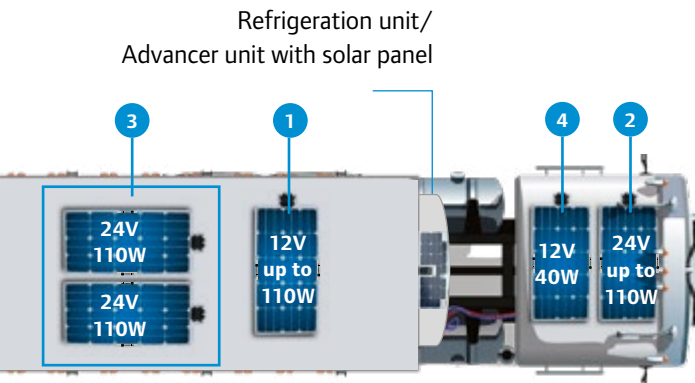




APPLICATIONS

Thermo King solar panels are particularly fit for these applications:

- 1 To power your refrigeration unit (12V):**
Stay connected. Extend your battery lifetime, save fuel and CO₂. Up to 110W
- 2 To power your tractor's battery - tractor roof (24V):**
Extend your tractor's battery utilization and life and save on battery exchanges, breakdowns and fuel consumption. 80W (2 x 40W) to 220W (2 x 110W).
- 3 For tail lift (24V):**
Keeps your tail lift running and your batteries charged. Up to 220W (2 x 110W).
- 4 As an extension of your Advancer solar panel**



TYPICAL APPLICATIONS



CHOOSING THE PART THAT FITS YOUR NEEDS

INVESTING IN THE BEST

As a Thermo King owner, you have invested in the best. Your priorities include reliability, performance and sustainability at a competitive total cost of ownership.



ThermoLite™ solar panels

At Thermo King, every part goes through an exhaustive validation process covering material, design, manufacture, and accelerated life testing. It is only when that part meets the same high standards we apply to our manufacturing that we approve it for use as a replacement part, giving you a guarantee of performance. **Thermo King GENUINE Parts come with a full 2 year warranty.**



Thermo King SELECT Parts

Thermo King solar panels are also available in the **Thermo King SELECT Parts** range. These parts are sourced to provide reliability under extreme conditions and are offered at a lower price point than the Original Equipment (OE) used in production. **Thermo King SELECT Parts undergo the same tough testing as OE parts and come with a 1 year warranty.**

RANGE OVERVIEW

12V SOLAR PANEL OFFERING

TRUCK

LINE	POWER	
THERMOLITE™ TRUCK REFRIGERATION	110W	40W

12V SOLAR PANEL OFFERING

TRAILER

LINE	POWER	
THERMOLITE™ TRAILER REFRIGERATION	110W	40W
THERMO KING SELECT PARTS TRAILER REFRIGERATION	100W	35W

A-SERIES SOLAR PANEL OFFERING

LINE	POWER	
THERMOLITE™ ADVANCER 12V	110W	50W
THERMOLITE™ SOLAR READY	110W	50W

24V SOLAR PANEL OFFERING

LINE	POWER	
THERMOLITE™ TRAILER/TRUCK REFRIGERATION	110W	40W

SOLAR EXTENSION 12V/24V

FOR UNITS ALREADY EQUIPPED WITH SOLAR PANEL

LINE	EXTRA POWER
THERMOLITE™ EXTENSION 12V/24V AND SOLAR READY	+110W
THERMO KING SELECT PARTS EXTENSION 12V	+100W
THERMOLITE™ EXTENSION SOLAR READY	+50W
THERMOLITE™ EXTENSION 12V/24V	+40W
THERMO KING SELECT PARTS EXTENSION 12V	+35W



SPECIFICATIONS

THERMOLITE™ SOLAR PANELS	110W	40W
OPEN CIRCUIT VOLTAGE (V)	17.6 V	19.04 V
MAXIMUM CURRENT (AMP)	6.25 AMP	2.1 AMP
EFFICIENCY	>20%*	
INSTALLATION OF ONE KIT	60 MIN	
WARRANTY	2 YEARS ¹	
DIMENSIONS**	1149 x 560 x 17.5 MM	740 x 330 x 17.5MM
WEIGHT***	~ 2.5 KG	~ 1 KG
TK SELECT PARTS SOLAR PANELS	100W	35W
OPEN CIRCUIT VOLTAGE (V)	17.6 V	19.04 V
MAXIMUM CURRENT (AMP)	6.25 AMP	2.1 AMP
EFFICIENCY	>18%*	
INSTALLATION OF ONE KIT	60 MIN	
WARRANTY	1 YEAR ¹	
DIMENSIONS**	1125 x 540 x 17.5 MM	750 x 290 x 17.5MM

NOTES:

- * Efficiency of similar competitor panels are 10-12%
 - ** Thermo King solar panels have an ultra low profile, avoiding tree branches
 - *** Thermo King solar panels are ultra light-weight
1. Depending on your needs you can opt for Thermo King Genuine Parts or Thermo King SELECT Parts. Talk to your dealer to make the decision best suited to your situation.



Thermo King – by Trane Technologies (NYSE: TT), a global climate innovator – is a worldwide leader in sustainable transport temperature control solutions. Thermo King has been providing transport temperature control solutions for a variety of applications, including trailers, truck bodies, buses, air, shipboard containers and railway cars since 1938.

For further information
europe.thermoking.com

Find your nearest dealer on
dealers.thermoking.com

TRANE
TECHNOLOGIES