

Power Solutions Products

A complete family of power storage, power generation and electrical load management solutions



Thermo King

Experts in the
**Power Management
Relationship**



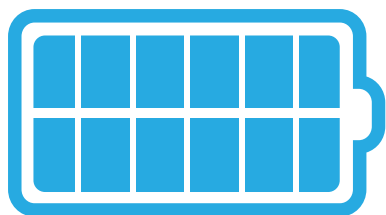
The key to optimized power management is understanding the relationship between power generation, power storage and your electrical loads. Between lights, lift gates, pallet jacks, and auxiliary loads like pumps, generating enough power and finding ways to store the power is essential.

THE SMART WAY TO PRODUCE AND STORE POWER WHEN ON THE ROAD

From long-haul to distribution, refrigerated transport to dry, your power needs are different.

You rely on telematics, lift gates, pallet jacks, and trailer lighting to keep deliveries moving—but keeping everything powered can be a challenge. As the power demands on your fleet continue to grow, finding an optimized solution becomes even more important.

Thermo King's power management platform efficiently produces and manages power on the road, keeping lift gates and lights running all day. Your local Thermo King dealer can help you choose the right solution and provide the 24/7 support Thermo King is known for. Keep your business moving when it matters most.



WAYS TO GENERATE POWER

REEFER ALTERNATOR
TRACTOR ALTERNATOR
SOLAR PANELS



WAYS TO STORE POWER

REEFER BATTERY
LIFT GATE BATTERY PACK
EON POWER PACK



ELECTRIC LOADS

LIFTGATE
LIGHTS
PALLET JACK
TELEMATICS

The Right Power Management Solutions For Your Application

APPLICATION AGNOSTIC DESIGN

7-way & Solar Charging

Pros: Independent of TRU setup (common spec across fleet)

Cons: Requires tractor to be connected

When to Choose This: Mixed fleets (TRU & dry vs refrigerated)

TRU FOCUSED DESIGN

TRU & Solar Charging

Pros: Self-reliant trailer (does not require connected tractor)

Cons: Incurs more TRU runtime (1-2%)

When to Choose This: When you require more powerful and smarter charging

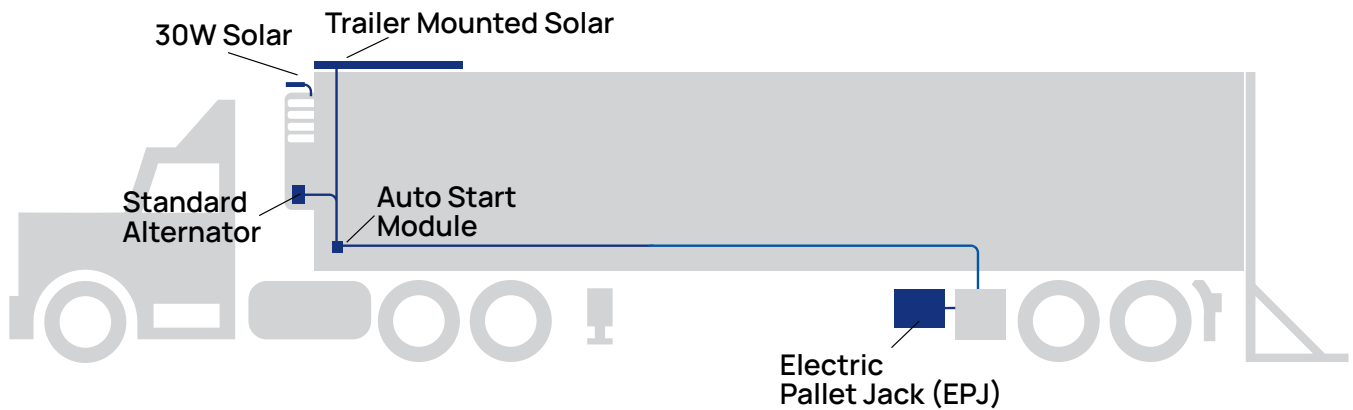
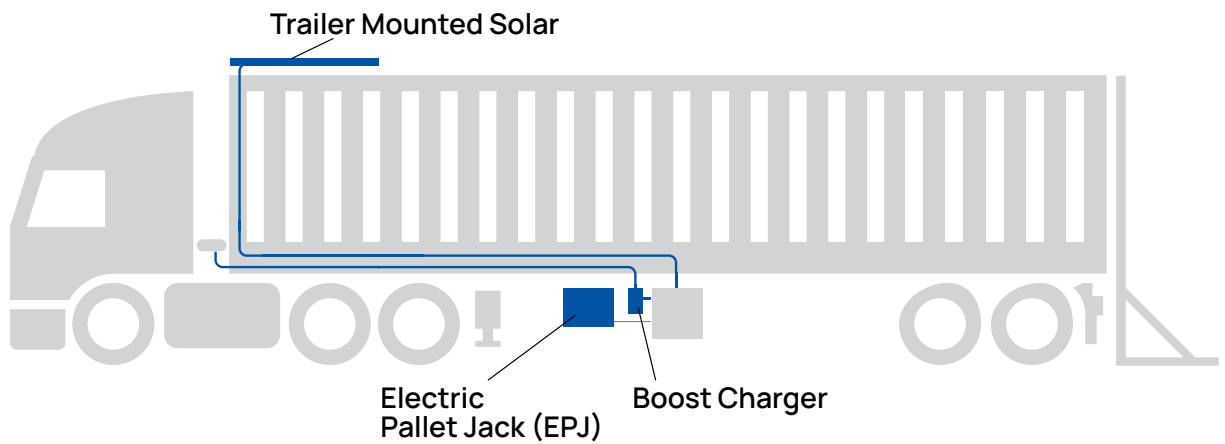
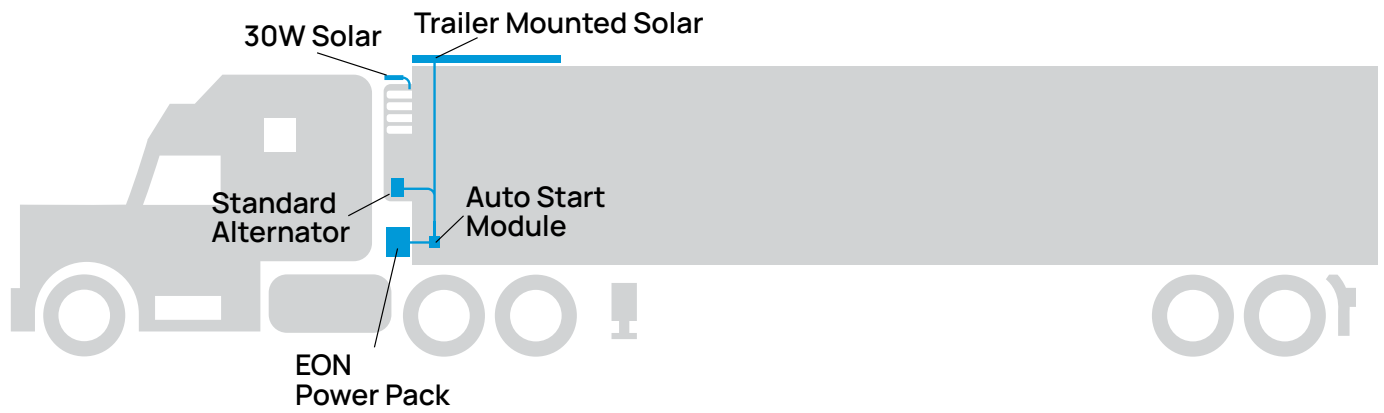
ALL-IN DESIGN

TRU, 7-way & Solar Charging

Pros: Powerful setup and diversified power sources

Cons: More expensive

When to Choose This: Applications with the most demanding power needs



Configurations are examples only. See your dealer to determine what products are best for your application.

POWER SOLUTIONS

Solar Products



	ThermoLite		
	30W	40W	110W
Size	13" x 22"	13" x 29"	22" x 45"
Weight	6 lbs	2 lbs	5 lbs
Output	30W peak output	40W peak output	110W peak output
Install Time	30 min	60 min	90 min
Panel Construction	Flexible polymer	Flexible polymer	Flexible polymer
Primary Application	Trailer	Heat King	APU
Warranty	5 years, full warranty	5 years, full warranty	5 years, full warranty
Install Conditions	Any	40°F-100°F	40°F-100°F
3-Stage Charge Controlling	●	●	●
High-Flex, Low-Temp Automotive Wiring	●	●	●
Plug & Play Connectivity	●	●	●
Produces Power in Low Light	●	●	●
Automotive Rated	●	●	●
Unit Mountable	●	●	

Product Numbers

30W Solar	
Base 30W Kit	401414
30W Panel Only	401593
Carrier Adapter Harness	903364

40W Solar	
Base 40W Kit	401415
40W APU Kit	401454

110W Solar	
110W APU Kit Black	401455
110W Base Kit	401741
110W Expansion Kit	401742

POWER SOLUTIONS

Power Management Products



AUTO START

- Will automatically start the reefer to charge an auxiliary battery bank because of low voltage
- Provides ultimate low voltage protection for auxiliary battery
- Backwards compatible with all Precedent® units



ELECTRIC PALLET JACK (EPJ) CHARGER

- Ensures your electric pallet jack stays charged
- Generates power directly from lift gate battery pack
- Built-in lower voltage protection to preserve liftgate operation
- Simple connectors in box for ease of installation
- 3-year warranty



BOOST CHARGER

- Utilizes power from tractor alternator to smart charge lift gate batteries
- IP69K environmental rating for flexible mounting
- Easy install with no field termination required
- 20 amp and 35 amp models available
- 2-year unconditional warranty



EON POWER PACK

- Keeps lights on when your reefer starts up
- Saves fuel by reducing tractor idling that normally powers interior trailer lights
- Protects starting power by isolating from reefer during start-up
- Compatible with Thermo King and numerous competitive refrigeration units



SUPPLEMENTAL ALTERNATOR

- Easily generate power from your reefer alternator
- Dedicated alternator provides more power in a smarter way
- Compatible with all Thermo King Precedent Units

Product Numbers

EON POWER PACK	
EON Power Pack	401233
BOOST CHARGERS	
20A Boost Charger Kit	401333
40' Wiring Harness for 20A	401335
35A Boost Charger Kit	401334
40' Wiring Harness for 35A	401337
AUTO START MODULE	
8' Auto Start Kit	401354
60' Auto Start Kit	401355
ELECTRIC PALLET JACK CHARGER (EPJ)	
EPJ Base Kit	401586
Retrofit Trailer Install Kit	401364
New Trailer Install Kit	401363
ACCESSORIES	
Dome Lamp Switch	2073132
65A Supplemental Alternator Kit C600M-30	401341



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 more information, visit thermoking.com or tranetechnologies.com.

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