THERMO KING POWER SOLUTIONS QUICKSTART MATRIX

ATTENTION: Solutions presented here only are generic solutions & provide general guidance ONLY. EVERY application is different and may require a different solution than presented here

INSTRUCTIONS 1) Find trailer outfit combination. 2) Find reefer Model 3) Determine Reefer Power option 4) Refer to Tractor & Solar charging recommendations for additional power sources

At least 2 charge sources recommended for full uptime and battery health (E.g Tractor + Reefer / Reefer + Solar / Tractor + Solar)

Notes: The addition of an electric pallet jack charger (EPJ) will rarely change the power generation solution as it takes little additional power. However it may affect solar and battery configurations. Consult Thermo King Dealer for final solution combination to ensure a cost effective & reliable solution

Thermo King	Power	options		T	railer Outfit	
Precedent Model	1 OVVC1	орионз	<u>Liftgate Only</u>	<u>Liftgate & Trailer Lights</u>	<u>Lights only</u>	If Electric Pallet Jack Used
	Reefer	STANDARD: 37amp Unit Alternator	Not enough power for external charging	Not enough power for external charging	Not enough power for external charging	No reefer charging support
<u>C-600</u>	Tractor		REQUIRED: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	REQUIRED: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	REQUIRED: 7-way with 20A Boost Charger (No cable Kit) -Boost mounted inside EON PP	Charge with Tractor. 2 batteries required (can be liftgate batteries). If lights only, run lights off same battery pack with light timer
	Solar		REQUIRED: 36W or 100W Solar	REQUIRED: 100W Solar	REQUIRED: 36W or 100W Solar	Some Solar Required
	Reefer	UPGRADE: 30amp Battery Charger	No external charging allowed	No external charging allowed	No external charging allowed	No reefer charging support
	Tractor		REQUIRED: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	REQUIRED: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	REQUIRED: 7-way with 20A Boost Charger (No cable Kit) -Boost mounted inside EON PP	Charge with Tractor. 2 batteries required (can be liftgate batteries). If lights only, run lights off same battery pack with light timer
	Solar		REQUIRED: 36W or 100W Solar	REQUIRED: 100W Solar	REQUIRED: 36W or 100W Solar	Some Solar Required
	Reefer	UPGRADE: 65A Unit Alternator	35A Boost Charger (401334) + 40' cable kit (401337) + Auto Start (401355)	Run lights directly off of liftgate batteries. 35A Boost Charger (401334) + 40' cable kit (401337)+ light timer (2073132) + Auto Start (401355)	Run lights off of EON PP (401233) +Auto Start (401354)	Reefer or Tractor Charging Required. 2 batteries required (can be liftgate batteries). If lights only, run lights off same battery pack with light timer
	Tractor		OPTIONAL: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	OPTIONAL: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	OPTIONAL: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	Reefer or Tractor Charging Required. 2 batteries required (can be liftgate batteries). If lights only, run lights off same battery pack with light timer
	Solar		OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	Some Solar Required
	Reefer	STANDARD: 120A Battery Charger	No external charging allowed	No external charging allowed	No external charging allowed	No reefer charging support
	Tractor		REQUIRED: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	REQUIRED: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	REQUIRED: 7-way with 20A Boost Charger (No cable Kit) -Boost mounted inside EON PP	Charge with Tractor. 2 batteries required (can be liftgate batteries). If lights only, run lights off same battery pack with light timer
<u>C-600M</u>	Solar		REQUIRED: 36W or 100W Solar	REQUIRED: 100W Solar	REQUIRED: 36W or 100W Solar	Some Solar Required
	Reefer	UPGRADE: 120A Battery Charger + 65A Supplemental Alternator	Use sense/excite line (422189) + 401223 cable/fuse kit + Auto Start (401354)	Use sense/excite line (422189) + cable/fuse kit (401223) + light timer (2073132) + Auto Start (401354)	Run lights off of EON PP (401233) which must be rewired per PB1561-2. Add Auto Start (401354)	Reefer or Tractor Charging Required. 2 batteries required (can be liftgate batteries). If lights only, run lights off same battery pack with light timer
	Tractor		OPTIONAL: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	OPTIONAL: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	OPTIONAL: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	Reefer or Tractor Charging Required. 2 batteries required (can be liftgate batteries). If lights only, run lights off same battery pack with light timer
	Solar	Aiternator	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	Some Solar Required
	Reefer		Not enough power for external charging	Not enough power for external charging	Not enough power for external charging	No reefer charging support
	Tractor	STANDARD: 37amp Unit Alternator	REQUIRED: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	REQUIRED: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	REQUIRED: 7-way with 20A Boost Charger (No cable Charge with Tractor. 2 batteries rec	Charge with Tractor. 2 batteries required (can be liftgate batteries). If lights only, run lights off same battery pack with light timer
	Solar		REQUIRED: 36W or 100W Solar	REQUIRED: 100W Solar	REQUIRED: 36W or 100W Solar	Some Solar Required
	Reefer	LIDODADE CEA	35A Boost Charger (401334) + 40' cable kit (401337) + Auto Start (401355)	Run lights directly off of liftgate batteries. 35A Boost Charger (401334) + 40' cable kit (401337)+ light timer (2073132) + Auto Start (401355)	Run lights off of EON PP (401233) +Auto Start (401354)	Reefer or Tractor Charging Required. 2 batteries required (can be liftgate batteries). If lights only, run lights off same battery pack with light timer
	Tractor	UPGRADE: 65A Unit Alternator	OPTIONAL: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	OPTIONAL: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	OPTIONAL: 7-way with 20A Boost Charger or Stinger with 35A Boost Charger	Reefer or Tractor Charging Required. 2 batteries required (can be liftgate batteries). If lights only, run lights off same battery pack with light timer
<u>S-600 & </u>	Solar		OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	Some Solar Required

S-700 Reefer Tractor 30amp Battery Charger Solar ReQUIRED: 7-way with 35A Boost Charger or Stinger with 35A
Reefer UPGRADE: 30amp Battery Charger + 120A Supplemental Alternator Solar Regulared Practor Solar Regulared Practor Solar Reefer Tractor Alternator Solar Regulared Practor Solar Reefer OPTIONAL: 36W Solar
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Solar Stinger with 35A Boost Charger Stinger with 35A Boost Charger Solar Required
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Solar REQUIRED: 36W or 100W Solar REQUIRED: 100W Solar REQUIRED: 36W or 100W Solar Some Solar Required
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