

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 Precedent Model		Power options		Trailer Outfit			
				Liftgate Only	Liftgate & Trailer Lights	Lights only	If Electric Pallet Jack Used
C-600	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	
	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		
C-600M	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	
	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 re-wired 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	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	Some Solar Required			
S-600 &	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	
	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	
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Solar	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	Some Solar Required			

S-700	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: 30amp Battery Charger + 120A 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 re-wired 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		OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	Some Solar Required
S-610M	Reefer	STANDARD: 120A 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	UPGRADE: 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
	Solar		REQUIRED: 36W or 100W Solar	REQUIRED: 100W Solar	REQUIRED: 36W or 100W Solar	Some Solar Required
	Reefer		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 re-wired 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
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Solar	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	Some Solar Required		
S-610DE	Reefer	STANDARD: 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
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	Solar		OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	OPTIONAL: 36W Solar	Some Solar Required
	Reefer	UPGRADE: 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
	Solar		REQUIRED: 36W or 100W Solar	REQUIRED: 100W Solar	REQUIRED: 36W or 100W Solar	Some Solar Required
	Reefer		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 re-wired 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
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