



Boost Charger

Protect liftgate operation from under-charged batteries and effortlessly extend runtime.



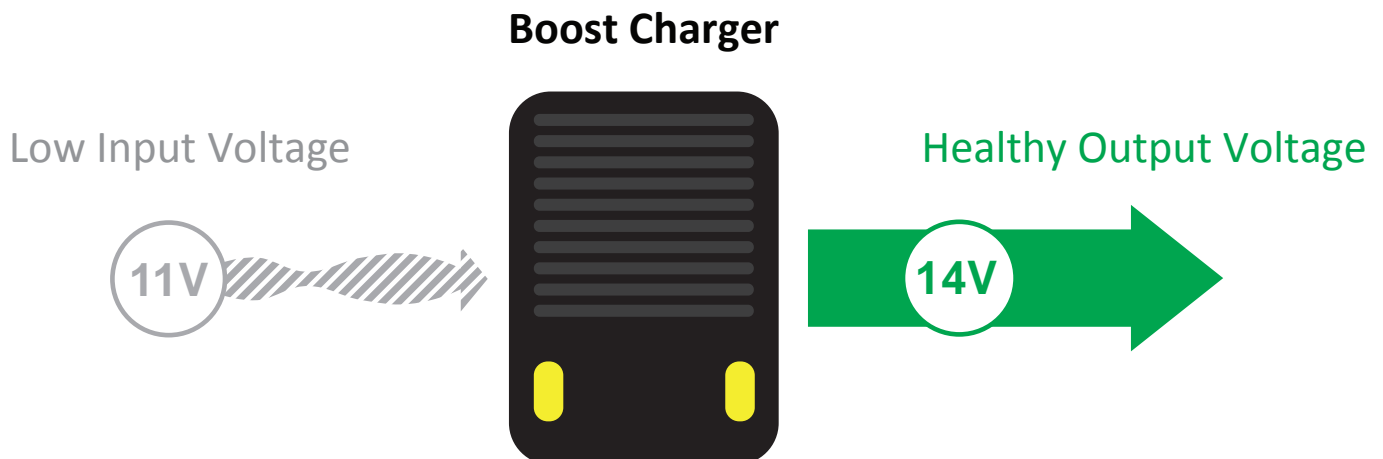
BOOST CHARGER

What can the Boost Charger do for you?



- Raises the voltage at the auxiliary battery in order to manage a proper charging profile
- Utilizes temperature compensation, battery type selection, and a smart 3-stage profile to create a quality charge
- Provides low voltage isolation between battery packs
- Utilizes power from the tractor alternator
 - 7-way
 - Stinger
- Used to control power output from reefer alternator

RAISE VOLTAGE TO MAINTAIN PROPER CHARGING



Competitive Comparison

Specification	Thermo King	Competition	Notes :
Environmental Rating	IP69K	IP67	<ul style="list-style-type: none"> • Thermo King can be mounted anywhere on battery box • Competition must always be mounted internal to battery box
Charging Current	20 Amp & 35 Amp models	10 Amp & 20 Amp models only	<ul style="list-style-type: none"> • Thermo King models have nearly 100% greater charging output
Temp Compensated Charging	Yes	Yes	<ul style="list-style-type: none"> • Both systems use battery temperature compensation to adjust charging voltage levels
ABS Controller Power Preservation	Uses active voltage monitoring	Uses brake light switch cutoff circuit	<ul style="list-style-type: none"> • Active voltage monitoring is a big advantage over using brake light circuit
Extend Mode	User selectable	Not user selectable	<ul style="list-style-type: none"> • Thermo King allows for user selection of extend mode while competition uses fixed timer, which can greatly decrease reefer battery life
Battery Type Selection	User selectable	Not user selectable	<ul style="list-style-type: none"> • Thermo King tailors the charging voltage profile to the battery type to optimize battery life • Competition only provides a fixed profile, which can be very detrimental to both battery types
Smart Charging	Built-in 3 stage charging profiles tailored to battery type	Unclear on charging profiles	<ul style="list-style-type: none"> • Thermo King provides 3-stage smart charging for each battery type • Competition provides smart charging based on single battery type that is not optimized for either
Status Lights	Lights indicate modes and faults	Lights indicate modes and faults	<ul style="list-style-type: none"> • Both provide on-board status lights indicating charging mode and faults, while Thermo King provides an optional remote status indicator
Corrosion Protection	Corrosion-proof aluminum with black anodized finish	Unfinished aluminum	<ul style="list-style-type: none"> • Thermo King units have superior corrosion protection along with completely sealed water ingress protection
Warranty Coverage	2 years-no conditions	1 year-conditional on no corrosion	<ul style="list-style-type: none"> • Thermo King's warranty is 2 years unconditional vs. 1 year with conditions for competition

SPECIFICATIONS

Max output current: (model dependent)	20A or 35A
Input voltage range:	9.5 -16Vdc
Operating Range:	-40° to 85°C
Pole charging	Dual or Single
Dimensions:	7.5" x 5.5" x 2.5"
Weight:	9 lbs
Warranty:	2 years

PART NUMBERS

Part	Number
20 Amp Kit	401333
40' Cable Kit (20 Amp)	401335
60' Cable Kit (20 Amp)	401336
35 Amp Kit	401334
40' Cable Kit (35 Amp)	401337
60' Cable Kit (35 Amp)	401338



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