

TC 4-KIT

Trail Charger (Permalogic Selector™ powered)

MAXON®



Kit Content

- 20 AMP TRAIL CHARGER
- SELECTOR NOSE BOX

This kit includes a 20 amp Trail Charger unit with extender module that is factory installed inside of Maxon's new plastic battery box offering.

Note

Batteries shown in images are for illustration purposes only.

DESCRIPTION:

The Permalogic Selector™ chooses its power source from either the tractor (dual pole) or the reefer alternator/battery.

RECOMMENDED FOR:

Severe-duty liftgate application on reefer trailers.

RECOMMENDED FOR:

The Permalogic Selector™ was designed to increase charging time to the liftgate batteries by being able to power the Trail Charger by either the tractor charging system or the reefer charging system. With having two power sources to select from, the amount of charging time for the liftgate batteries is increased. The tractor is the primary source of power as long as the tractor's batteries are above 13.2 volts. If the tractor's batteries are not above 13.2 volts, or the tractor is not connected, the Permalogic Selector will use the reefer unit as the power source as long as the reefer's battery voltage is above 12.9 volts.

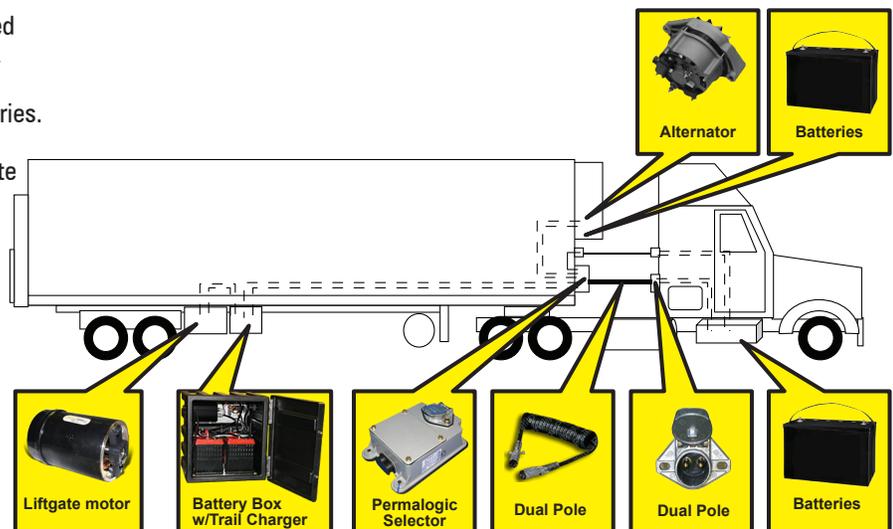
The issue:

On applications where auxiliary liftgate batteries are mounted a long distance from the primary vehicle's electrical system, voltage drop will occur. In order to charge auxiliary liftgate batteries, the correct voltage must be applied to these batteries. Without the correct voltage (i.e. electrical ressure) to push the available current through the liftgate batteries, inadequate recharging will occur and the batteries will run down.

The Solution:

Trail Charger Based Charging Solutions

A DC/DC converter (TRAIL CHARGER) eliminates the above problem by amplifying (boosting) any input voltage (9 to 14) to the correct voltage necessary to charge and maintain the liftgate batteries.



Trailer – Reefer