EP-4815C-LK · 48V 15A CHARGER

CHARGER INTERLOCK

PREVENTS ACCIDENTAL DRIVE-OFFS WHILE PLUGGED IN

The charger interlock is a safety feature that prevents the golf cart from being driven while the charger is connected to AC power (a wall outlet). It guards against accidental drive-offs that could damage the charging cable, the charger, or the power outlet.

OPTIONAL SAFETY FEATURE

Connecting the interlock is optional. If the interlock cable is left unconnected, the EP-4815C-LK still charges normally.

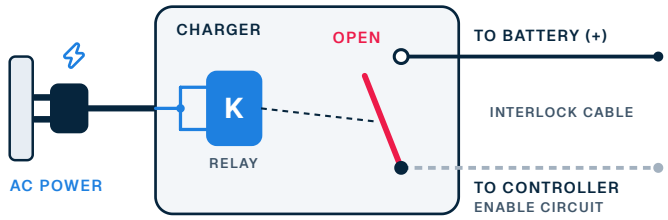
Not using the interlock? The charger then provides no drive-off protection, so always unplug it from AC power before driving.

HOW IT WORKS

Inside the charger is a **relay**, a switch that is opened and closed electrically. With the interlock cable connected, the relay sits in the controller's **enable circuit**: the wiring that allows the golf cart's **motor controller** (the electronics that run the drive motor) to operate.

CHARGER PLUGGED IN
AC power connected

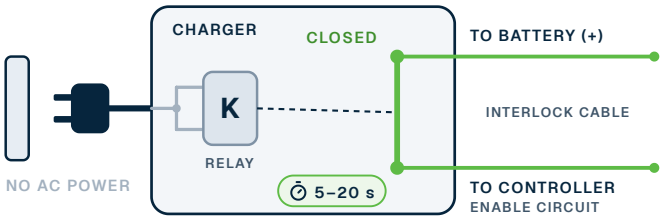
DRIVE DISABLED



With AC power connected, the relay opens the controller's enable circuit, so the cart cannot be driven.

CHARGER UNPLUGGED
No AC power

DRIVE ENABLED



When AC power is disconnected, the relay reconnects the enable circuit. Allow 5–20 seconds, then the cart can be driven.

Conceptual diagrams, simplified to show how the interlock works. They are not wiring diagrams.

USING THE INTERLOCK

STEP 1 — PLUG IN
Connect the charger to AC power. Drive is disabled.

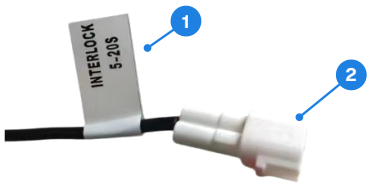
STEP 2 — CHARGE
Drive stays disabled while the charger is connected to AC power.

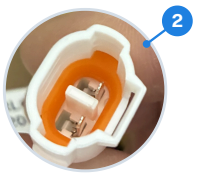
STEP 3 — UNPLUG
Disconnect the charger from AC power.

STEP 4 — WAIT 5–20 SECONDS
Give the relay 5–20 seconds to reconnect, then drive normally.

Cart not responding right after unplugging? The 5–20 second delay is normal. Wait, then try again.

IDENTIFYING THE CABLE





END VIEW

1 Tag marked **INTERLOCK 5-20S** 2 **White 2-pin connector**

The **"-LK"** model is our newer 48V 15A charger that adds this interlock cable. The "5-20S" on the tag matches the 5–20 second delay before the cart can be driven again.

CONNECTING (OPTIONAL)

Wire the interlock cable into the controller's enable circuit:

1. Cut off the **white connector** and separate the two wires.
2. Connect one wire to the battery's **positive (+) terminal**.
3. Connect the other wire to the **golf cart controller**.

CAUTION

The interlock connects to battery positive (+). Wiring varies by golf cart make and model, so have a qualified technician make this connection using the cart's wiring diagram.

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