

Support Kit

# Replacement of AC Fuses in Three Phase Inverters with Synergy Technology

Version 1.0

January 2025

MAN-01-01233-1.0

## About

This Support Kit provides instructions for replacing the AC fuses (PN: FLD-3PH-SU-AC-3F-ONLY) in the units of the Three Phase Inverters with Synergy Technology applicable to PN xSESUK-xxxxlxxxx.

## Revision history

Version	Date	Description
1.0	January 2025	Initial release date.

## Kit Contents

- 3 Fuses

## Required equipment

- Adjustable pliers
- Screwdriver set
- Torque screwdriver

## Removing the inverter cover

### To remove the inverter cover:

1. Turn **OFF** the P/1/0 switch.
2. Turn **OFF** the DC Safety switch.
3. Turn **OFF** the main circuit board AC switch. Make sure there is no AC/DC voltage in the inverter.



### **WARNING**

After turning OFF the switch, wait at least five minutes for the DC capacitors to decrease to a safe level before removing the front panel.

4. Remove the Allen screws on the inverter cover and carefully slide the cover horizontally before lowering it.

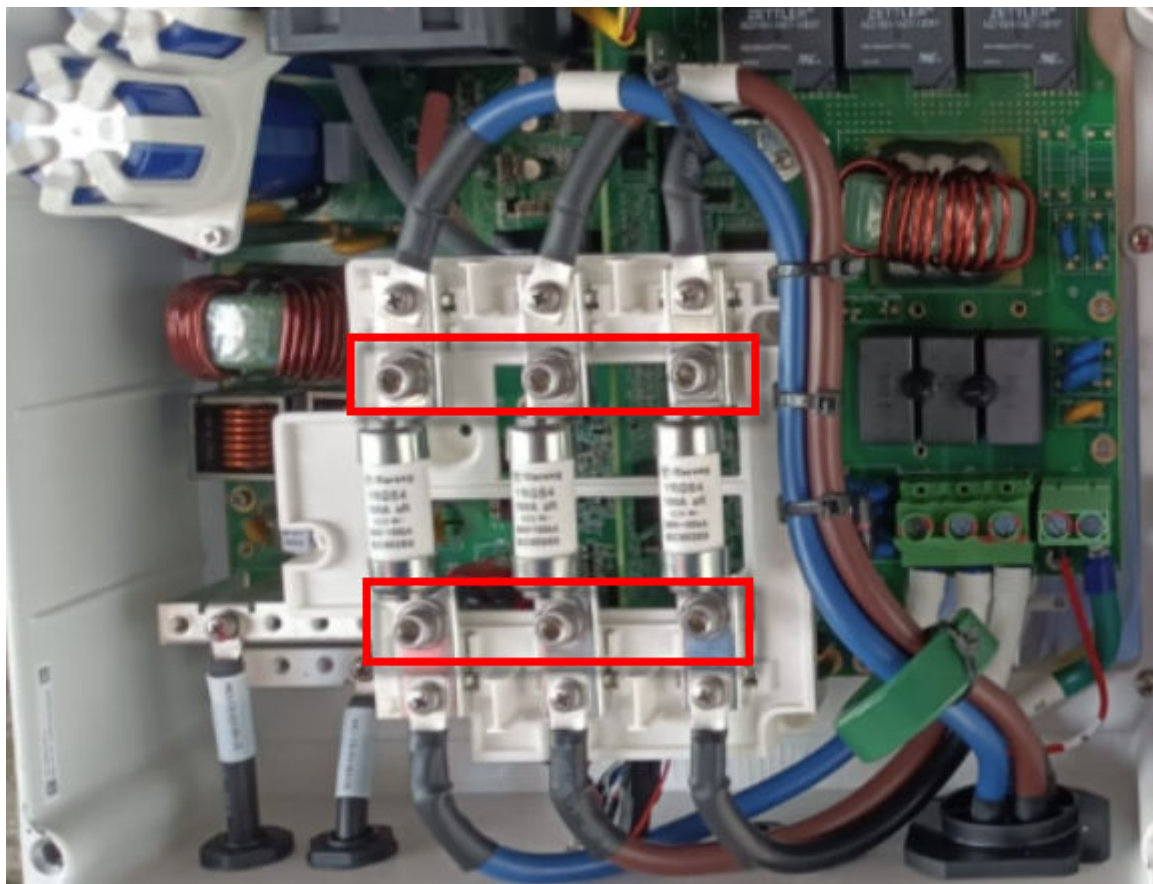
**CAUTION**

When removing the inverter cover, make sure not to damage the internal components. SolarEdge will not be held responsible for any components damaged as a result of negligent removal of the cover.

## Replace fuses

To replace fuses in the inverter:

1. Remove the protective plastic cover and locate the FUSES in the units. See the image below.



2. Loosen the screws on the fuses to 7.0N·m and then remove the fuses.
3. Insert the replacement fuses and secure them using a screwdriver with a torque of 7.0 N·m.
4. Carefully place the cover on the inverter and secure all six screws using an Allen key.
5. Turn **ON** the AC and DC power.

**NOTE**

You must correctly reinstall the inverter cover before turning ON the AC power.

6. Switch the toggle to the **1(ON)** position on the P/1/0 switch to turn ON the inverter.