

# SolarEdge TerraMax™ Inverter

Quick Installation Guide PN: SE330K-xxxxxxxxx

For North America Version 1.2 Scan for full Installation Guide



#### Legend



#### NOTE

This symbol denotes information intended to assist the user in making optimum use of the product.



#### CAUTIONI

Denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, could result in damage or destruction of the product. Do not proceed beyond a caution sign until the indicated conditions are fully understood and met.



#### WARNING!

Denotes a hazard. It calls attention to a procedure that, if not correctly performed or adhered to, could result in injury or loss of life. Do not proceed beyond a warning note until the indicated conditions are fully understood and met.



Do not cut the cable connectors



Do not bend the cable. Bending radius: 4 x wire diameter.



This symbol appears at grounding points on the SolarEdge manuals and equipment.

SAVE THESE INSTRUCTIONS – This guide contains important instructions for SolarEdge TerraMax Inverter that should be followed during installation and maintenance. Using this equipment in a manner not specified in this guide by SolarEdge may impair the protection provided by this equipment.





Turn ON/OFF the main circuit board AC switch. When turning it off, wait 5 minutes for DC Voltage to drop to a safe level before removing the front panel.





Turn the DC Disconnect Switch on/off. (Switch is available for some models)
When turning it off, wait 5 minutes for DC
Voltage to drop to a safe level before removing the front panel.





Turn the ON/OFF/P Switch on/off. When turning it off, wait 5 minutes for DC Voltage to drop to a safe level before removing the front panel.

Before connecting aluminum wires to terminals:



- 1. Remove oxide from the exposed wires with emery paper or a steel wire brush
- 2. Clean dust with a cloth and Isopropyl alcohol (IPA)
- 3. Coat wires with a designated antioxidant aluminum wire grease immediately after cleaning



**CAUTION!** Connection of oxidized aluminum wires may result in resistance and high temperatures at contact points. Improper execution of the following procedure may cause damage to the unit.



Before installation, read the HANDLING AND SAFETY INSTRUCTIONS



### **FCC Compliance**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

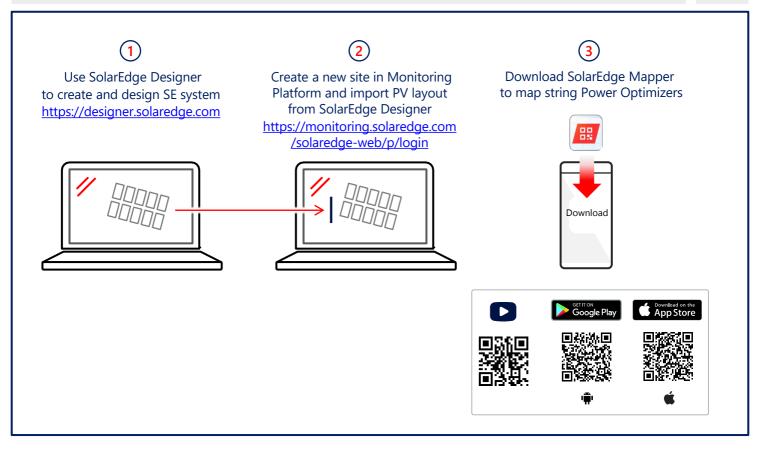
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, you are encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

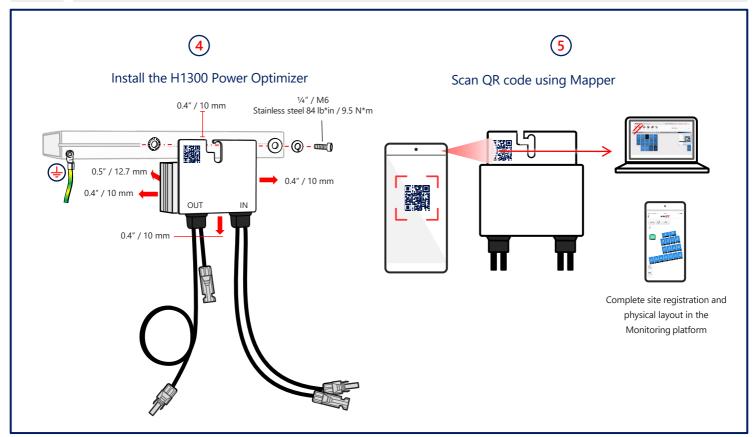
Changes or modifications not expressly approved by the party responsible for compliance may void the user's authority to operate the equipment.

### Installing the Power Optimizers



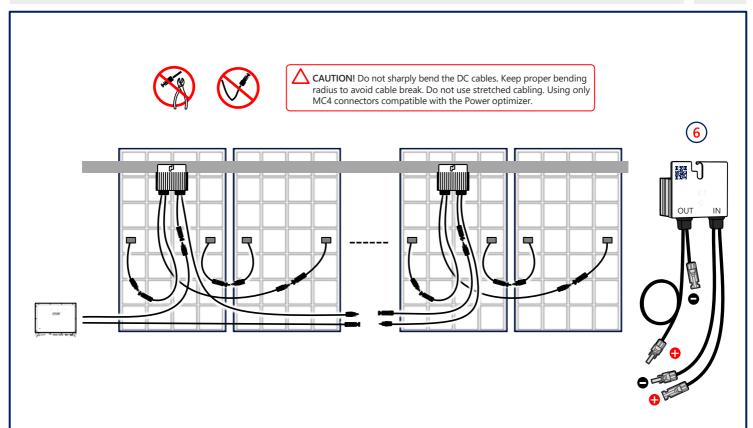


## Installing the Power Optimizers

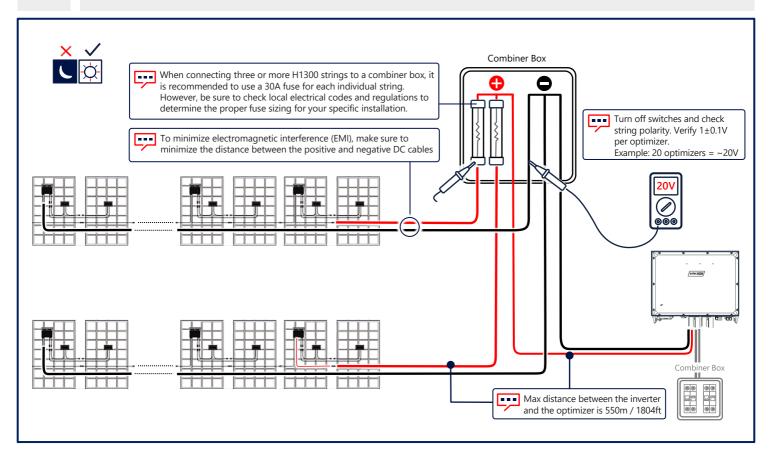


# Connecting the Power Optimizers

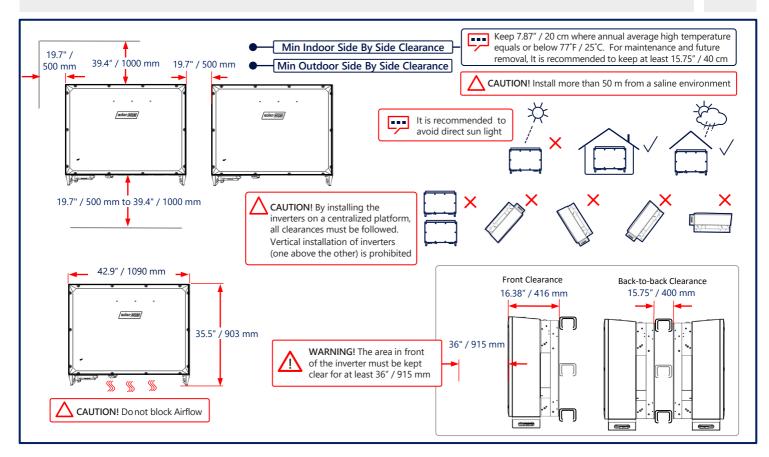
1 - 2 - 3 - 4 - 5 - 6



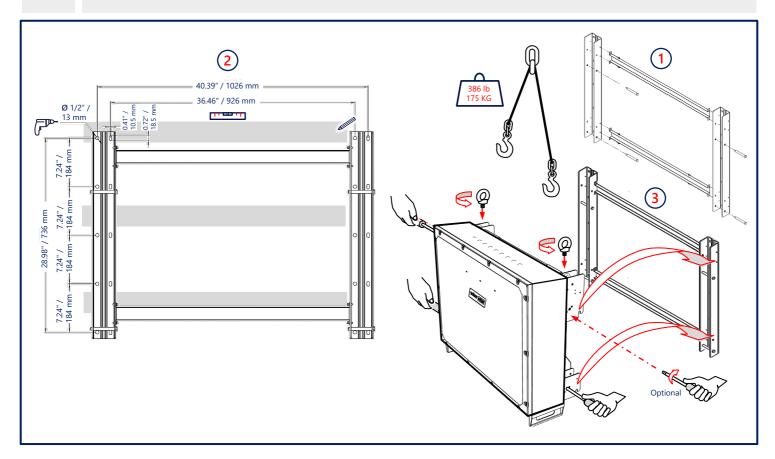
# **Connecting PV Strings**



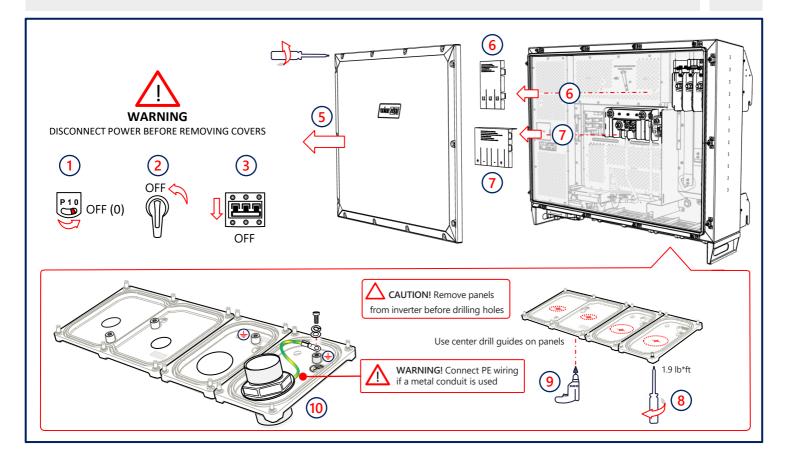
# Maintaining Clearance



# Mounting

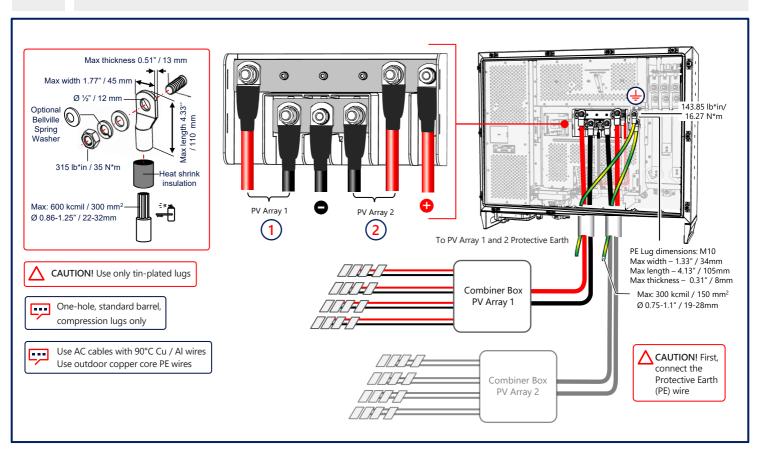


# Removing Covers, Drilling Holes, and Grounding Conduits

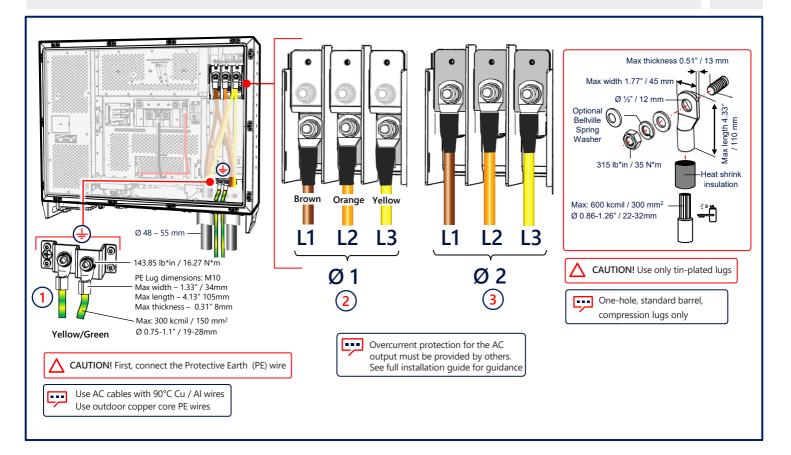




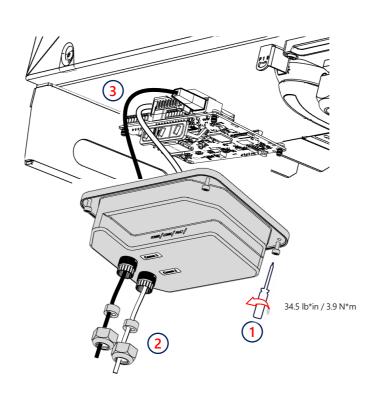
#### Connecting the PV Arrays and Protective Earth (PE)



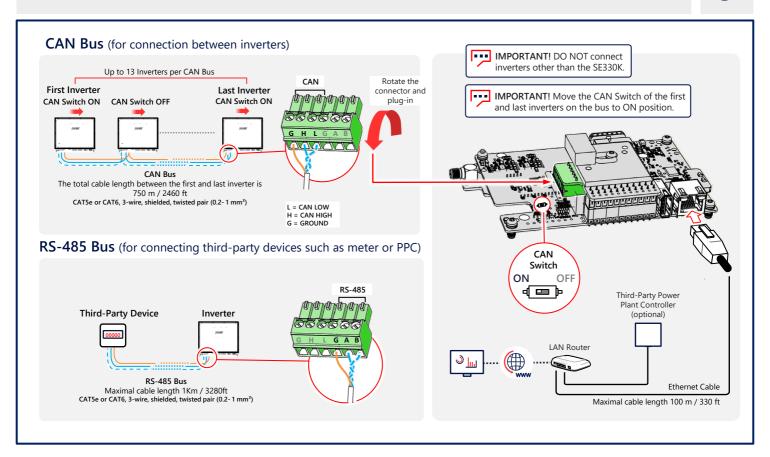
# Connecting AC and Protective Earth (PE)



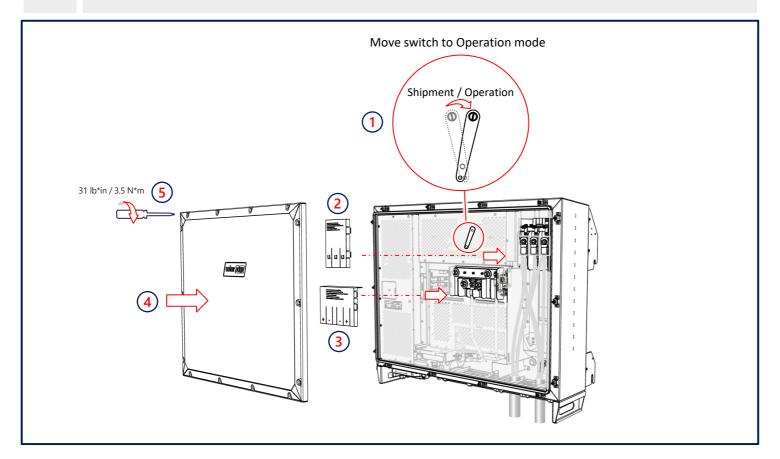
# Accessing the Communication Compartment



### **Connecting Communication**

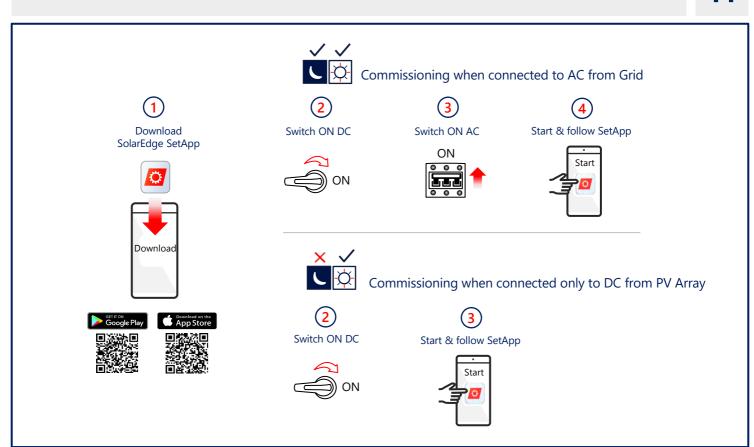


# Unlocking Relays and Installing the Covers

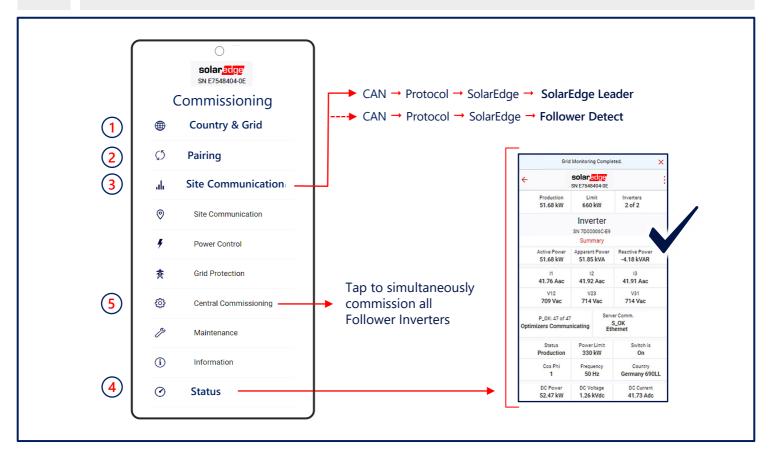


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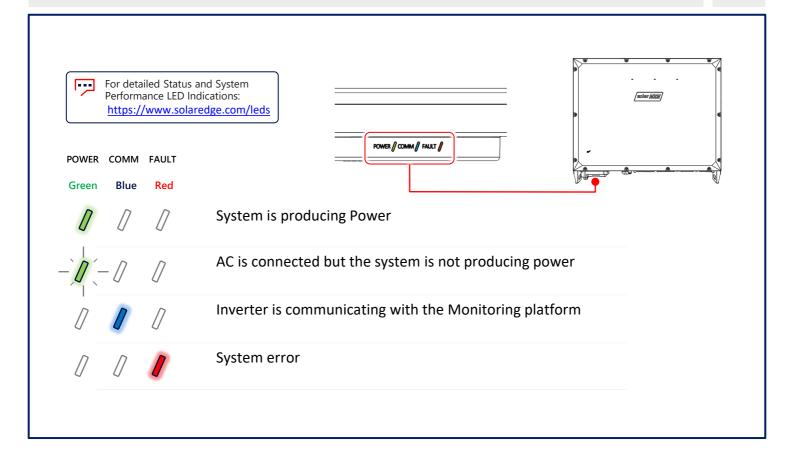
# Commissioning (Part 1)



## Commissioning (Part 2)



#### **LED Indications**



### solaredge

#### **Support Contact Information**

If you have technical problems concerning SolarEdge products, please contact us: <a href="https://www.solaredge.com/service/support">https://www.solaredge.com/service/support</a>

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