# SolarEdge TerraMax™ Inverter

**Quick Installation Guide** 

For Europe, APAC, and South Africa Version 1.6

Scan for full Installation Guide



### Legend

#### ••• NOTE

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



#### CAUTION!

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



#### Installing the Power Optimizers $(1 \rightarrow 2 \rightarrow 3 \rightarrow 4 \rightarrow 5 \rightarrow 6)$

### Use SolarEdge Designer Download SolarEdge Mapper Create a new site in Monitoring Platform and import PV layout to map string Power Optimizers to create and design SE system from SolarEdge Designer https://designer.solaredge.com https://monitoring.solaredge.com 吕 /solaredge-web/p/login Download GET IT ON Google Pla

Download on the App Store

# Installing the Power Optimizers



# Connecting the Power Optimizers



### Connecting PV Strings



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### Maintaining Clearance





# Mounting



### Removing Covers and Chassis Ground



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## 6 Connecting the PV Arrays









## **8** Accessing the Communication Compartment



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### Connecting Communication





# **10** Unlocking Relays and Installing the Covers



### Commissioning (Part 1)

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## 12 Commissioning (Part 2)



### **LED** Indications 13 For detailed Status and System Performance LED Indications: aolar adge https://www.solaredge.com/leds POWER COMM FAULT Green Blue Red System is producing Power AC is connected but the system is not producing power Inverter is communicating with the Monitoring platform System error

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Support Contact Information

If you have technical problems concerning SolarEdge products, please contact us: https://www.solaredge.com/service/support

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