solaredge

Three Phase Inverter with Synergy Technology

Quick Installation Guide

PN: SEKxx-AUxxlxxxx

For Australia Version 1.1

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



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





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





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





Turn the ON/OFF/P Switch on/off. When turning off, wait 5 minutes for DC Voltage to drop to 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 oxidize aluminum wires may result in resistance and high temperatures at contact points. Improper execution of the following procedure may cause damage to the unit.

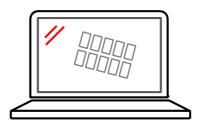
SAVE THESE INSTRUCTIONS – This manual contains important instructions for the Three Phase Inverter with Synergy Technology that should be followed during installation and maintenance. Using this equipment in a manner not specified in this guide by SolarEdge may impair the protection provided by this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

Notes

Installing the Power Optimisers



Use SolarEdge Designer to design SE System https://designer.solaredge.com





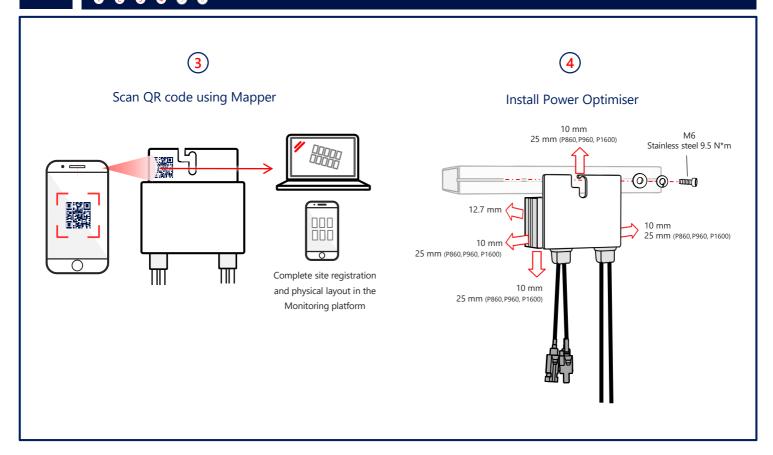
Download SolarEdge Mapper to map Array Power Optimisers



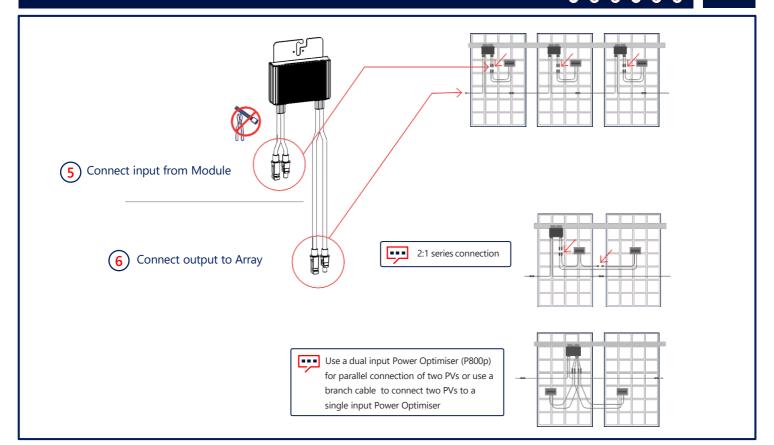




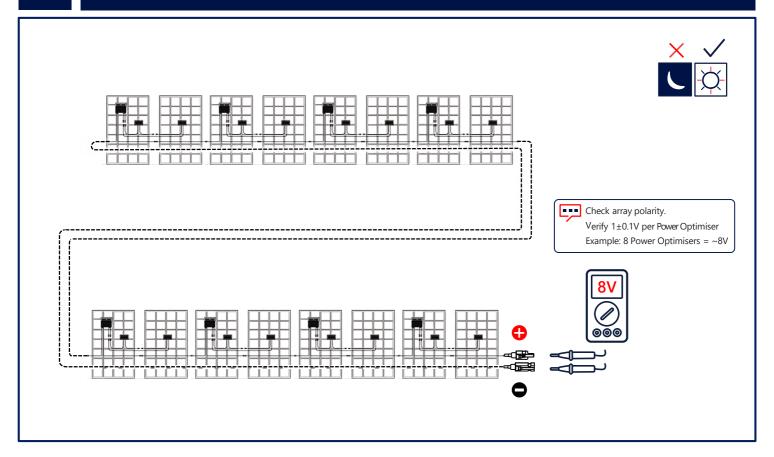
Installing the Power Optimisers • • • • • • •



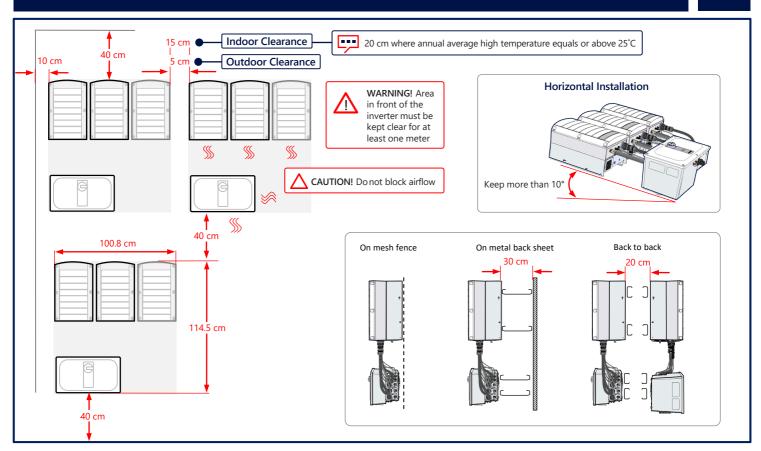
Installing the Power Optimisers



Connecting the PV Array

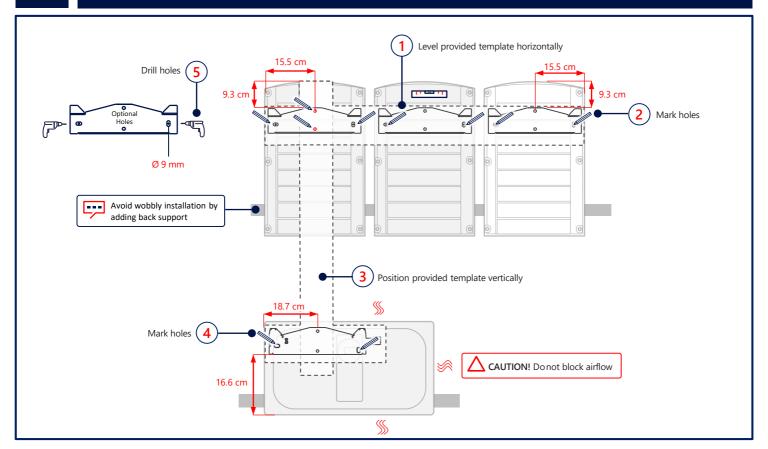


Maintaining Clearance

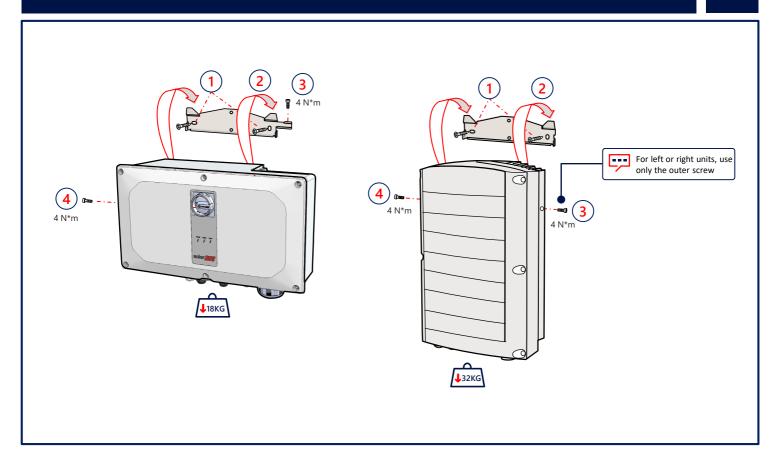




Marking & Drilling Holes

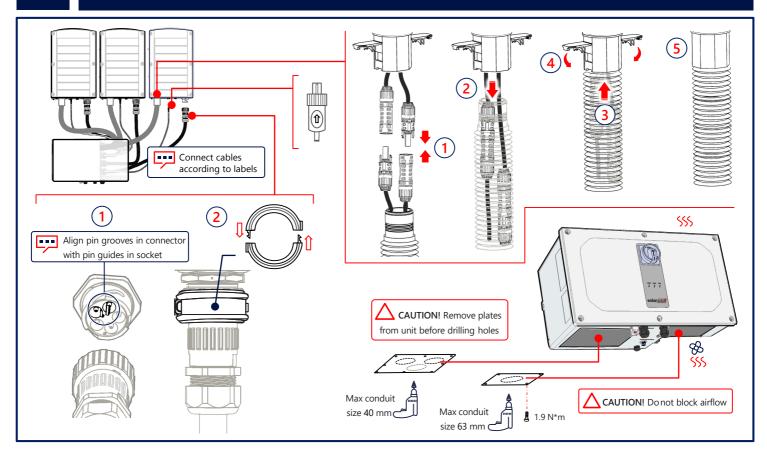


Mounting the Units



6

Connecting Cables



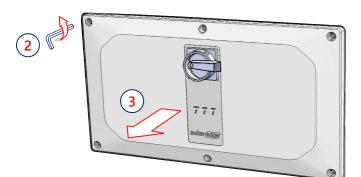
Removing Covers

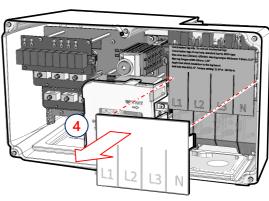




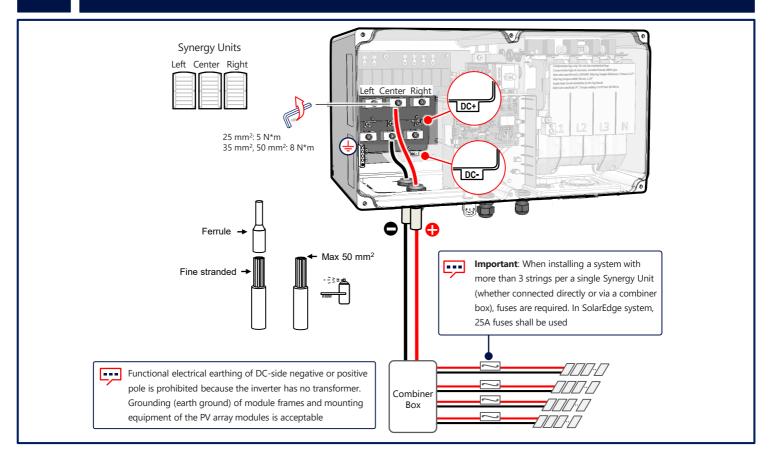


DISCONNECT POWER BEFORE BEGINNING INSTALLATION

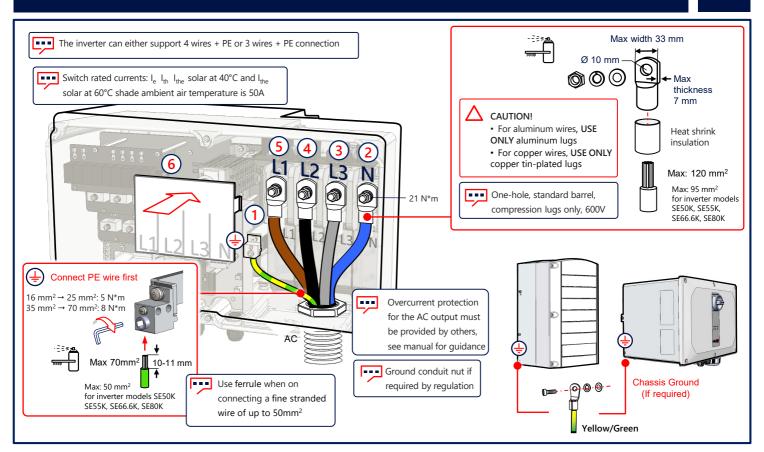




Connecting PV Strings via Single DC Input

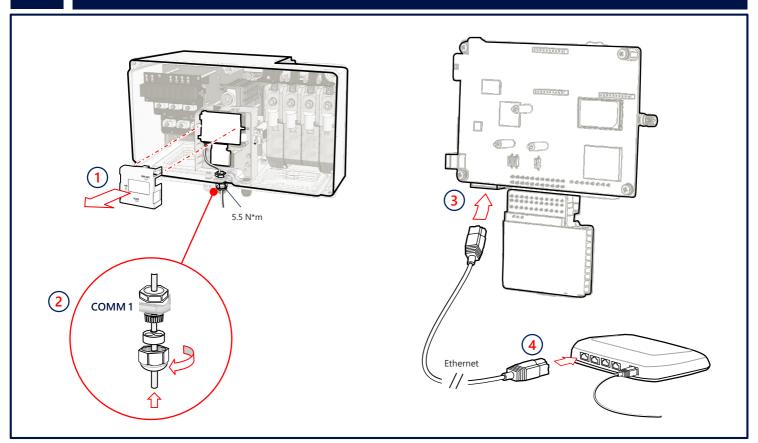


Connecting AC and Protective Earth (PE)

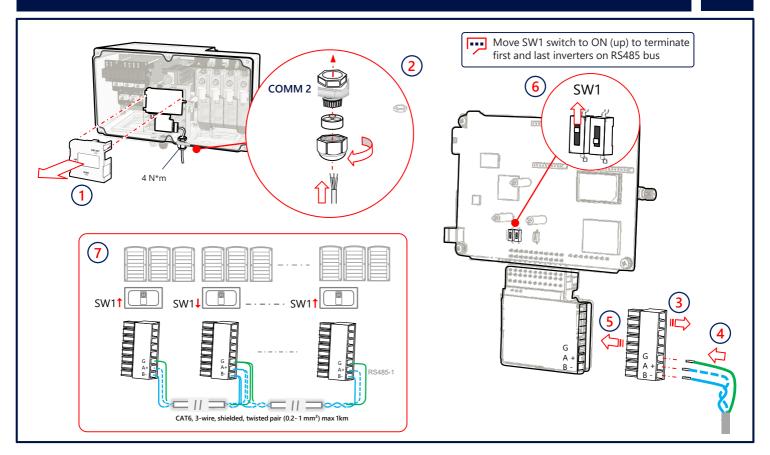


10

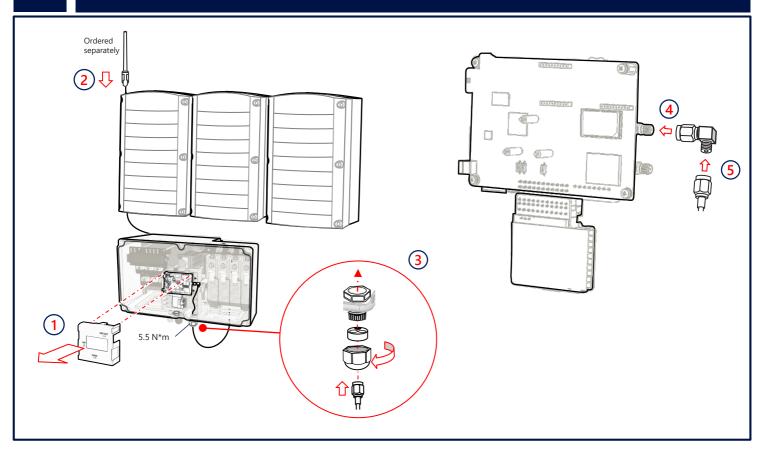
LAN Communication



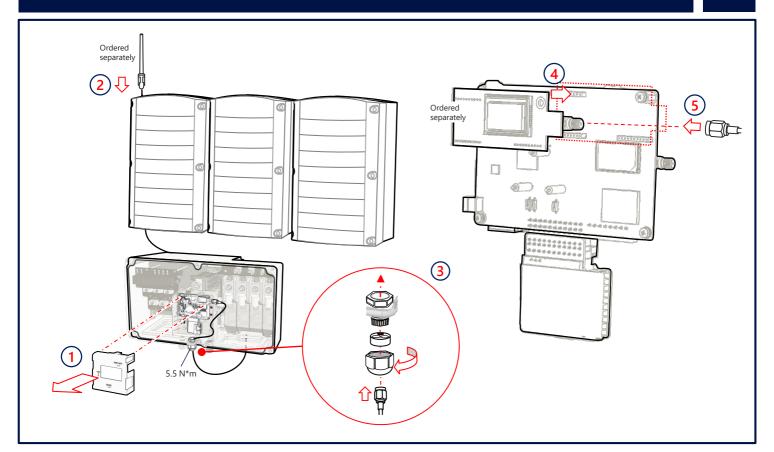
RS485 Connection of Multiple Inverters



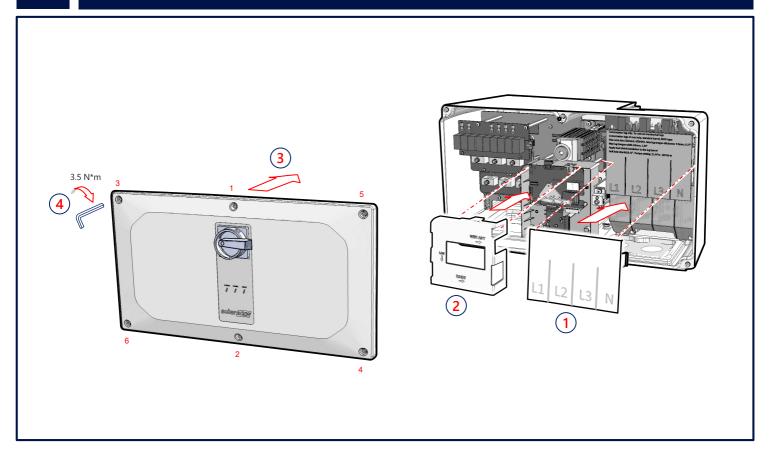
Wi-Fi Communication (Optional)



Connecting Cellular Communication (Optional)



Installing Covers



Pre-commissioning when AC Power is Not Connected (Option 1)



- (1) Download SolarEdge SetApp
- (2) Turn ON



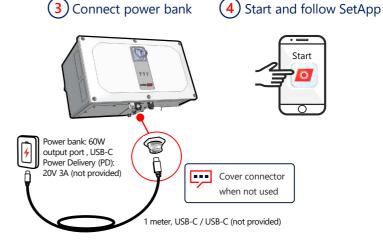








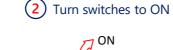
- Turn switches to OFF
- Wait until inverter turns-off (all LEDs turn-off)





Commissioning with DC and AC Power (Option 2)

1 Download SolarEdge SetApp



3 Start & follow SetApp





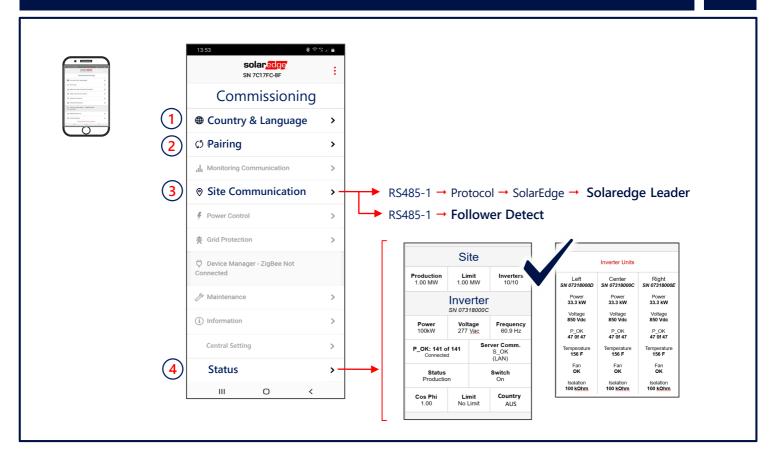




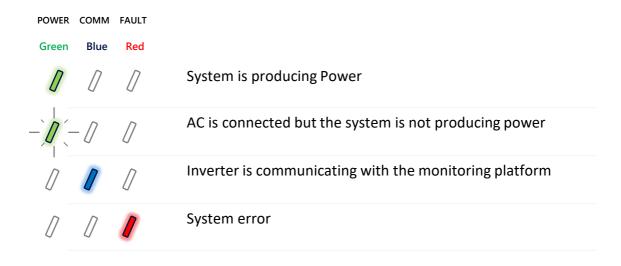




Commissioning the Leader Inverter



LED Indications



Notes

Notes

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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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