





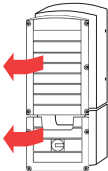








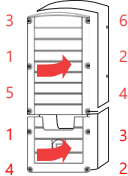


Three Phase Inverter with SetApp Configuration

PN: SEXXK-AUXIXXXXX

Quick Installation Guide

For Australia
Version 1.0

Legend

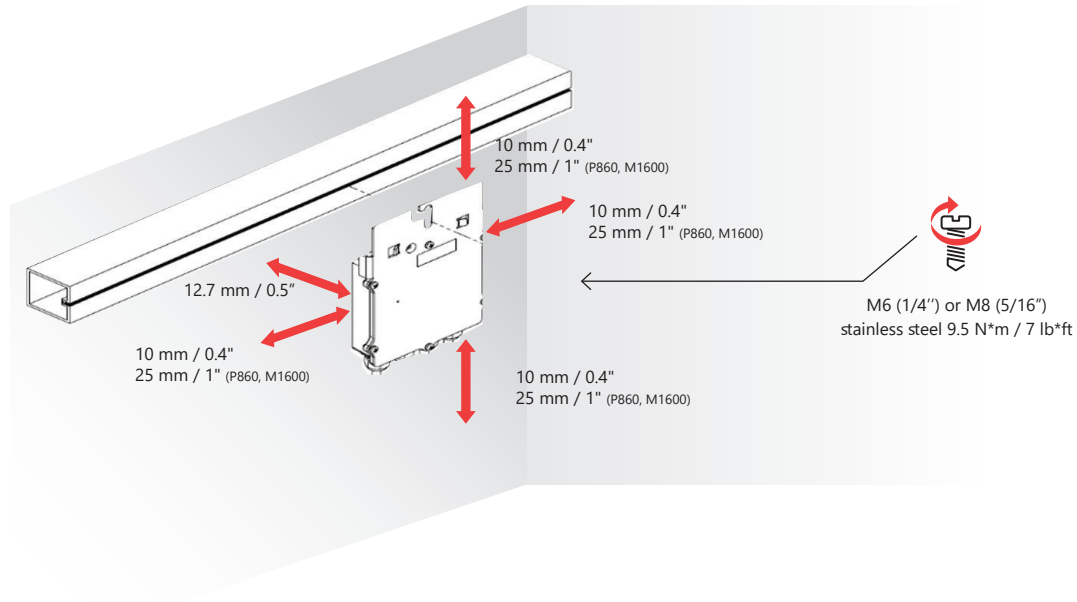
| | | |
|--|--|---|
| <p> NOTE</p> <p>This symbol denotes information intended to assist the user in making optimum use of the product.</p> | <p>Do not cut cable connectors</p>  | <ol style="list-style-type: none"> 1. Turn ON/OFF/P Switch to OFF (0) 2. Turn Safety Switch to OFF 3. Open cover screws  |
| <p> CAUTION!</p> <p>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.</p> | <p>Inverter ON/OFF Switch: 0=OFF; 1=ON; P=Pairing/Program</p>  | |
| | <p>Turn ON/OFF the main circuit board AC switch, and wait 5 minutes</p>  | <p> This symbol appears at grounding points on the SolarEdge manuals and equipment.</p> |
| <p> WARNING!</p> <p>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.</p> | <p>Safety Switch (on optional DC Safety Unit)</p>  | <p>  9.0 N*m / 6.6 ft.*lb 10.3 N*m / 7.6 ft.*lb (Plastic)</p> <p>Fasten screws in described order</p>  |
| <p>Torque value</p>  | <p>LEDs</p>  | |

Step

1

Installing the Power Optimizers

Verify string design with Designer



Step 1

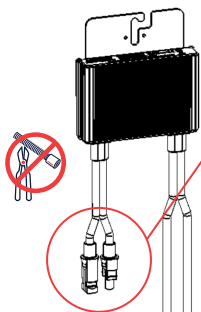
1 2 3 4 5



Step 1

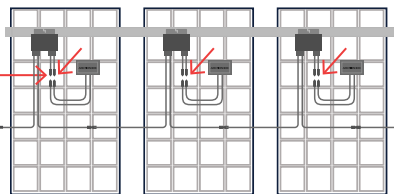
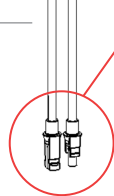
3

Input from module



4

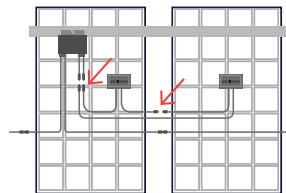
Output to string



Extension cables (4mm²/1.6"²) between optimizers are allowed between rows and around obstacles

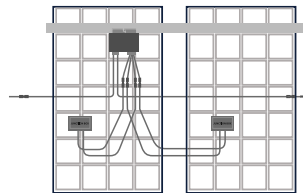
...

2:1 series connection



...

Use a dual input optimizer (P800p) for parallel connection of two PVs. Use a branch cable to connect two PVs to a single input optimizer.

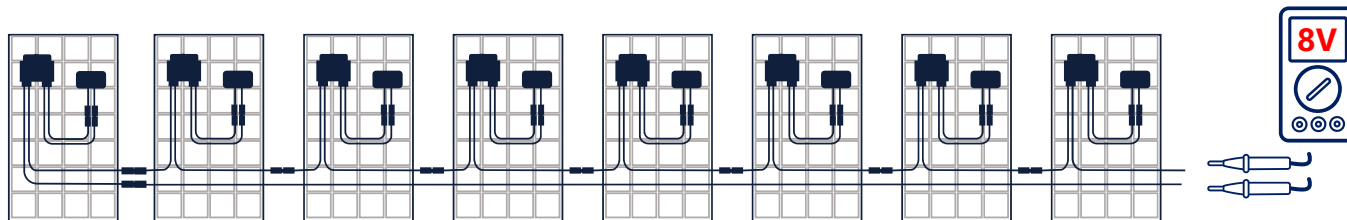
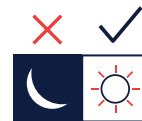


Step 1

1 2 3 4 5

Check string polarity and measure each string's voltage to verify $1 \pm 0.1V$ per optimizer

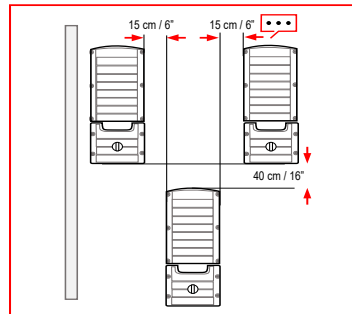
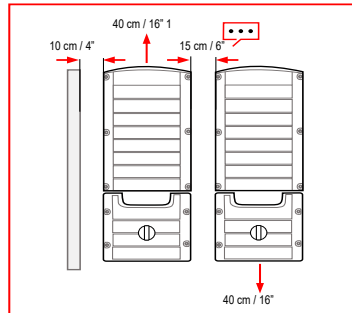
Example: 8 optimizers = ~8V



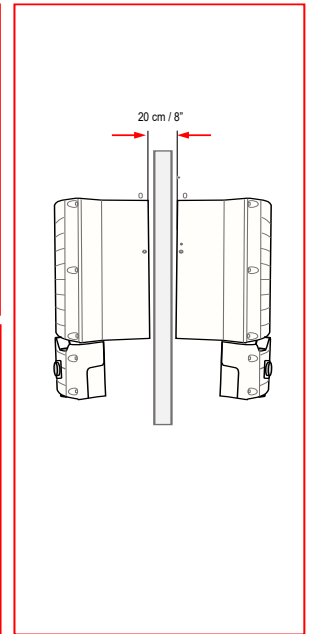
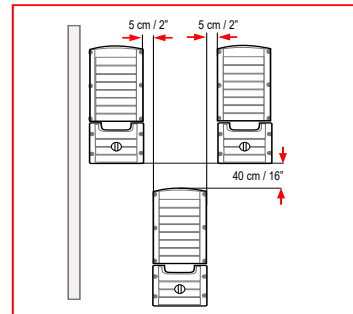
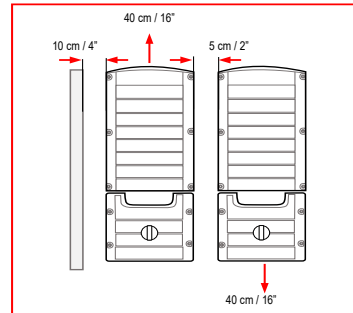


20 cm / 8" where annual average high temperature is above 25°C / 77°F

Indoor



Outdoor

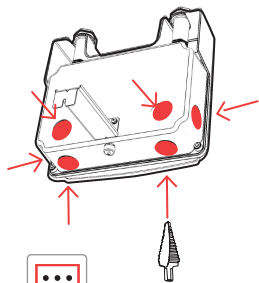


Step 2

1

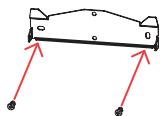
2

2.1

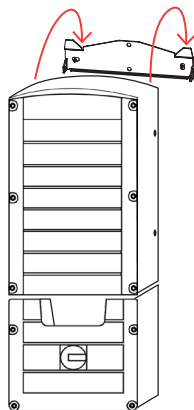


Use 3/4" or 1" Unibit drill to create holes for AC and DC conduits

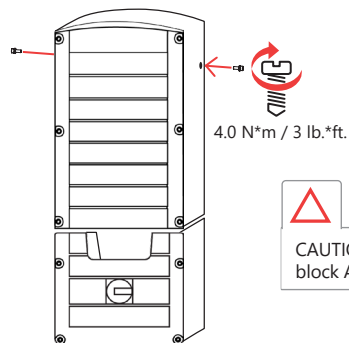
2.2



2.3



2.4



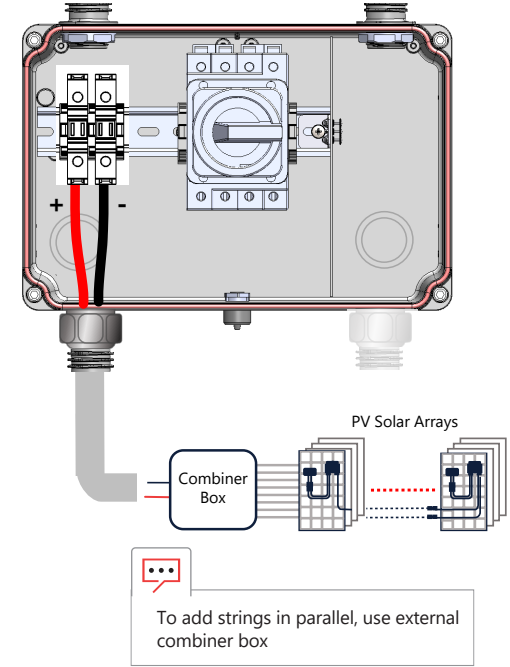
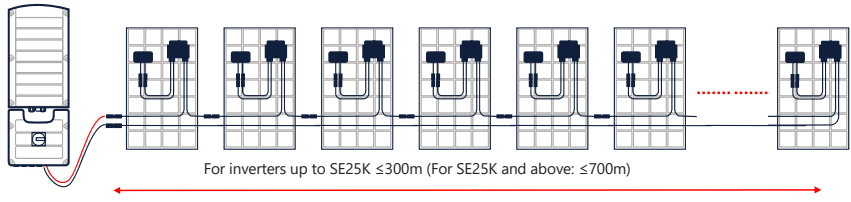
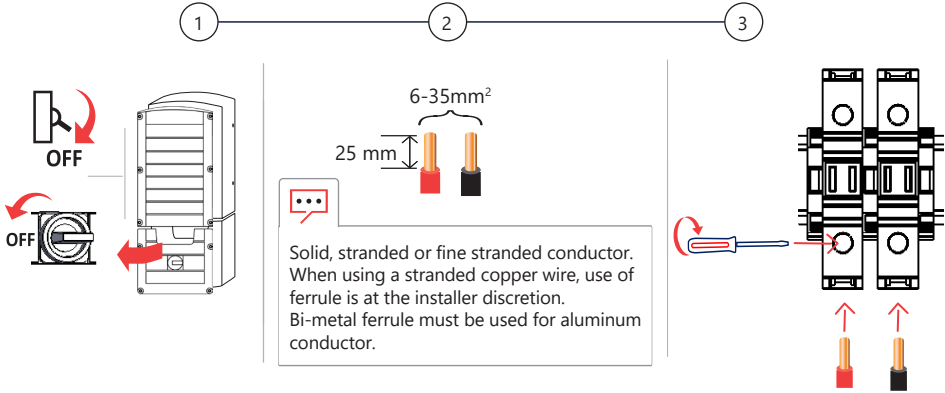
CAUTION! Do not block Airflow

2.5



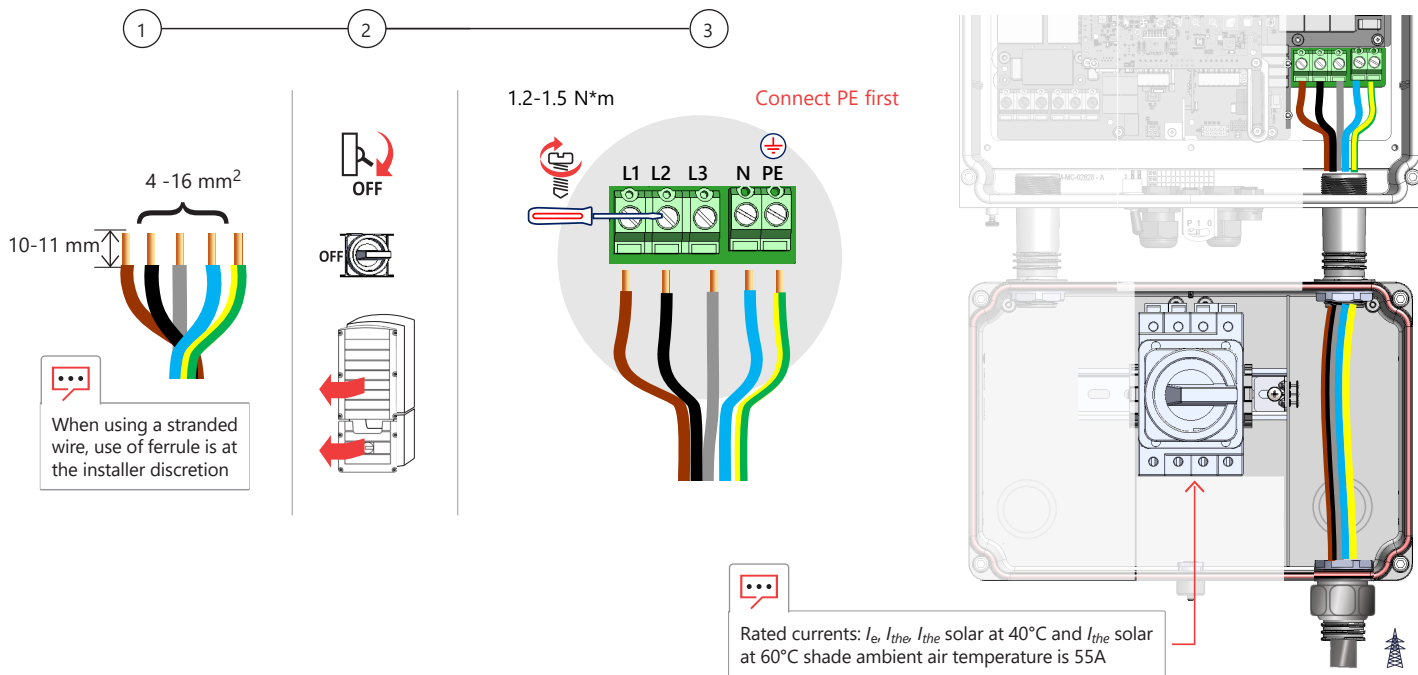
Step 3

Connecting the PV Array



Step 4

Connecting to the AC Grid



Step



5

Setting up Communication

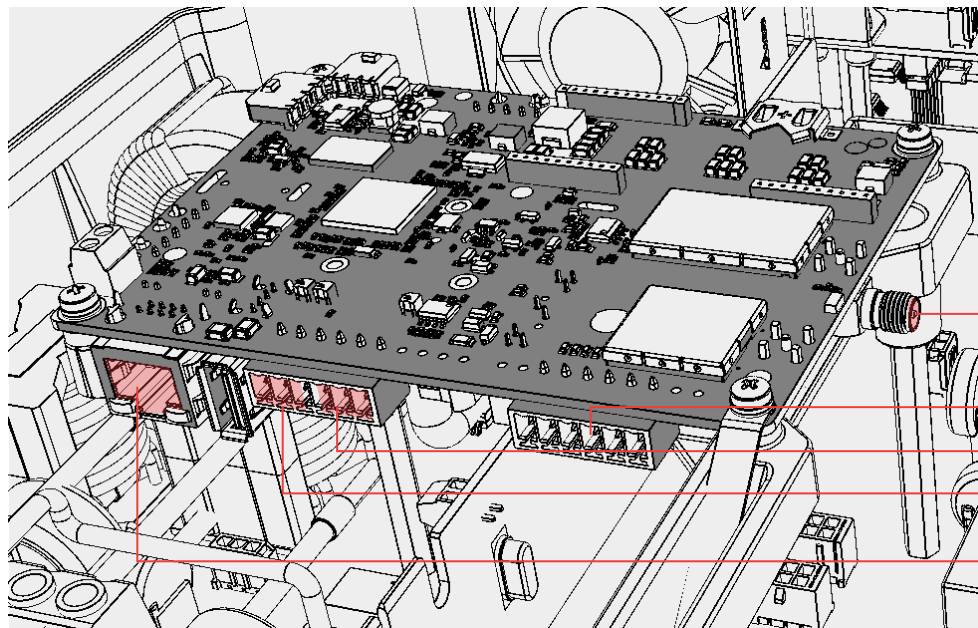


Built-in:

1. Ethernet (see page 11)
2. RS485 (see page 11)

| Optional | | | | | | | | | | | | |
|---|--|-----------|--------------------------|-----------|----------------------------------|-----------|----------------------------|-----------|--------------------------------|-----------|-------------------------------|---|
|  | <table><tr><td>EN</td><td>Wi-Fi (Requires antenna)</td></tr><tr><td>FR</td><td>Wi-Fi (L'antenne est nécessaire)</td></tr><tr><td>NL</td><td>Wi-Fi (Antenne is vereist)</td></tr><tr><td>IT</td><td>Wi-Fi (È necessaria l'antenna)</td></tr><tr><td>DE</td><td>Wi-Fi (Antenne wird benötigt)</td></tr></table> | EN | Wi-Fi (Requires antenna) | FR | Wi-Fi (L'antenne est nécessaire) | NL | Wi-Fi (Antenne is vereist) | IT | Wi-Fi (È necessaria l'antenna) | DE | Wi-Fi (Antenne wird benötigt) |  |
| EN | Wi-Fi (Requires antenna) | | | | | | | | | | | |
| FR | Wi-Fi (L'antenne est nécessaire) | | | | | | | | | | | |
| NL | Wi-Fi (Antenne is vereist) | | | | | | | | | | | |
| IT | Wi-Fi (È necessaria l'antenna) | | | | | | | | | | | |
| DE | Wi-Fi (Antenne wird benötigt) | | | | | | | | | | | |

Step 5



→ Wi-Fi antenna

→ PRI Control

→ RS485-2

→ RS485-1

→ Ethernet

Scan QR for troubleshooting



Scan QR for communication options

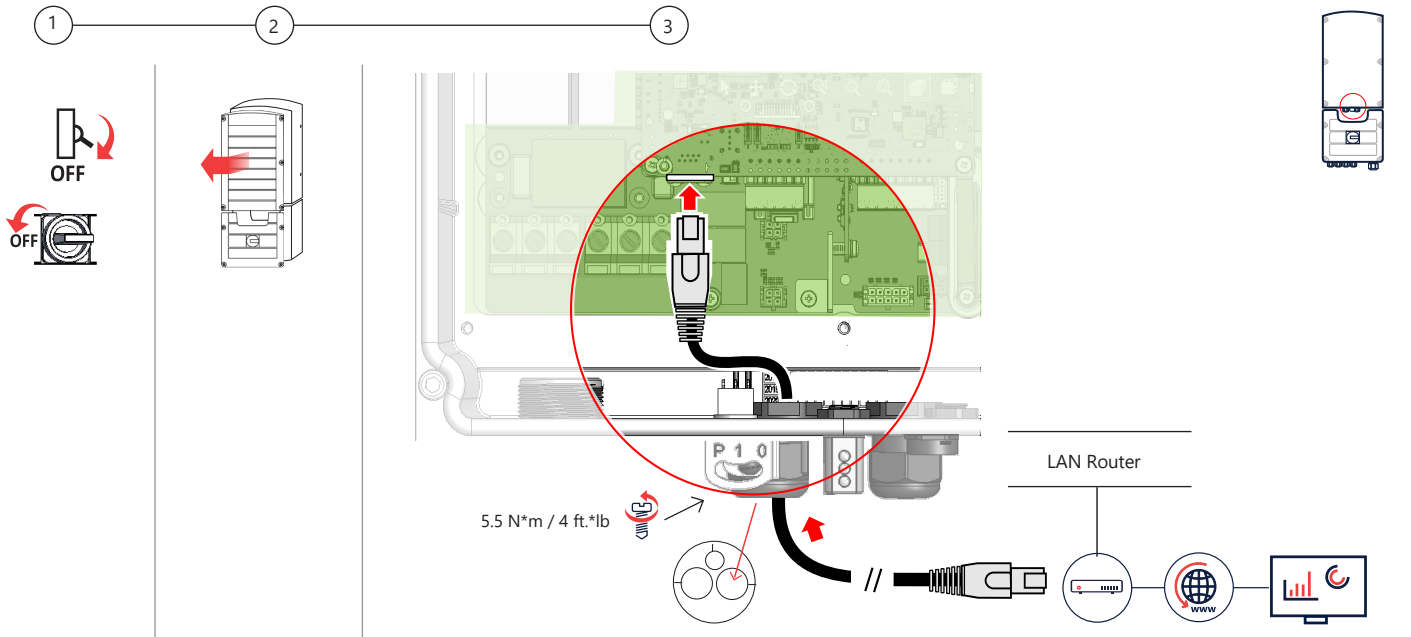


Step

6

Creating Ethernet (LAN) Connection

1 2 3 4



Step 6

1 2 3 4

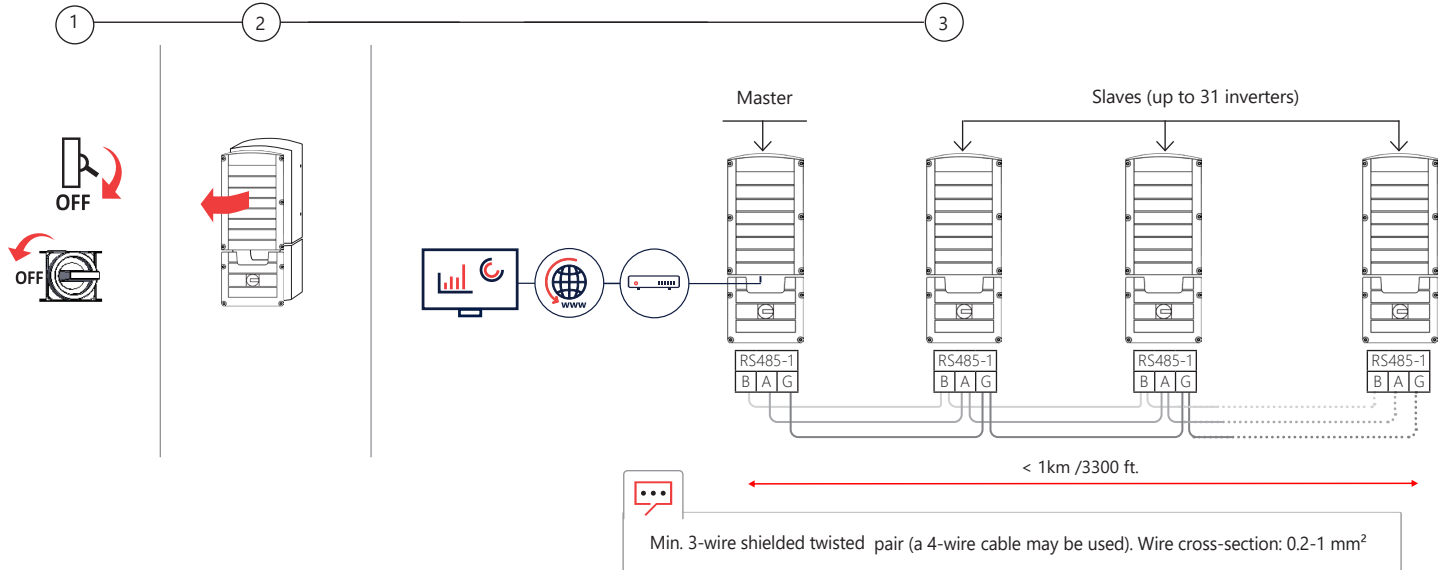


| RJ45 Pin # | Wire Color ¹ | | 10Base-T Signal |
|---------------|-------------------------|--------------|-------------------|
| | T568B | T568A | 100Base-TX Signal |
| 1 | White/Orange | White/Green | Transmit+ |
| 2 | Orange | Green | Transmit- |
| 3 | White/Green | White/Orange | Receive+ |
| 4 | Blue | Blue | Reserved |
| 5 | White/Blue | White/Blue | Reserved |
| 6 | Green | Orange | Receive- |
| 7 | White/Brown | White/Brown | Reserved |
| 8 | Brown | Brown | Reserved |

¹ The inverter connection does not support RX/TX polarity change.
Supporting crossover Ethernet cables depends on the switch capabilities

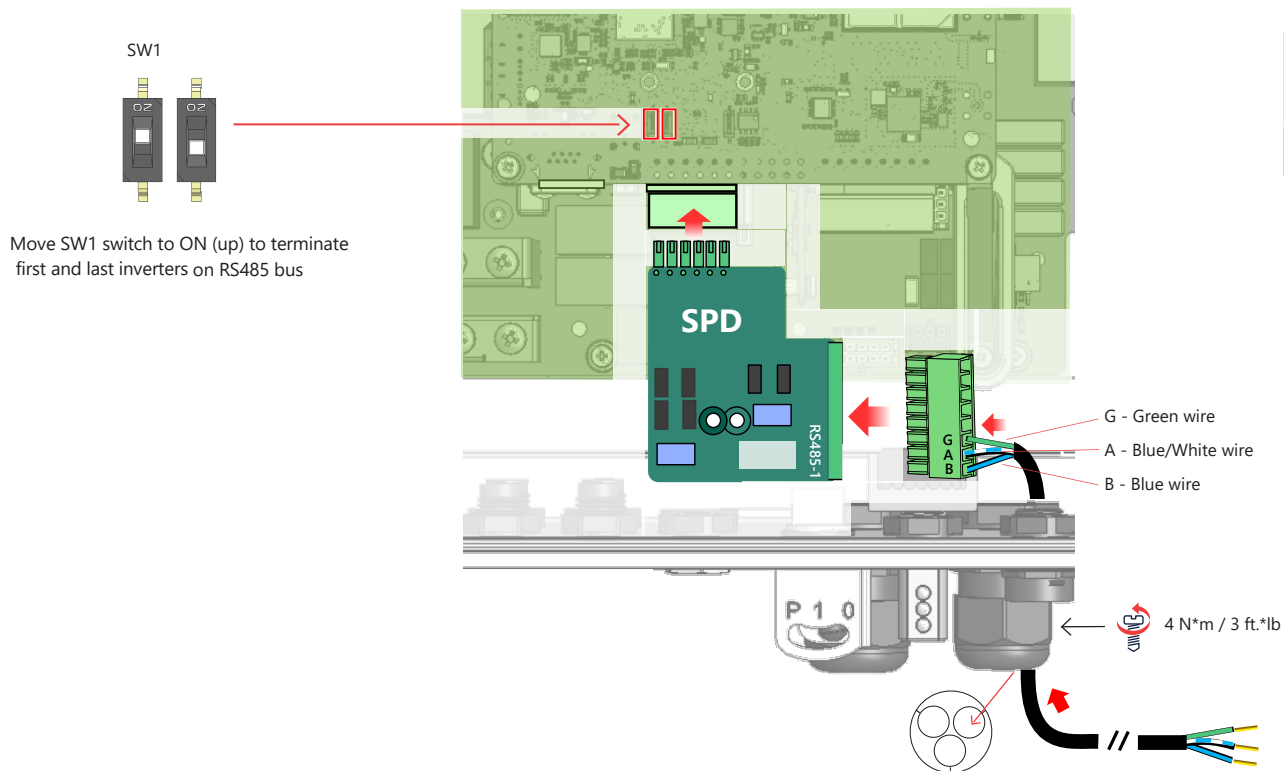
Step 7

Creating RS485 Bus Connection



Step 7

1 2 3 4



1



2



Login:

1. Open SetApp and follow the instructions
2. Log-in with your monitoring Username and password

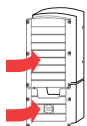
Step 9

Activating

- 1
- 2
- 3



1



ON



ON

2



Scan inverter QR code; for RS485 bus, scan master first

3



Follow the SetApp instructions



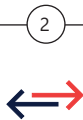
SetApp creates a Wi-Fi connection with the inverter

Step 10

Commissioning



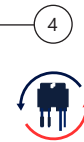
Set Country and Language



Set communication to the monitoring platform and to the other inverters



Set all other parameters



From the Commissioning menu, select Pairing to pair the optimizers with the inverter

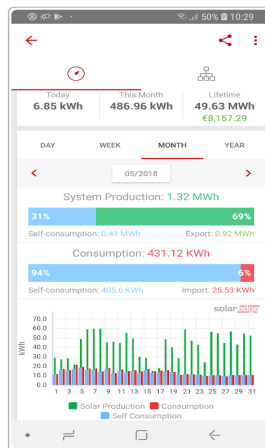
Step 11

Viewing System Status

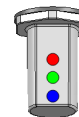
SetApp Status screen

| solar edge | | |
|--|-----------------------------------|----------------------|
| Status | | |
| Inverter SN 07318000C | | |
| Power XX kW | Voltage XXX Vac | Frequency XX Hz |
| Optimizers Connected P_OK 30 of 30 | Communication S_OK Ethernet | |
| Status Production | Switch ON | |
| Cos Phi 1.00 | Limit No Limit | Country Australia |
| Voltage XXX Vdc | Temperature XXF | Fan OK |

Monitoring platform



Main LEDs Indications



Subject to change without notice.
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