



SetApp

The new commissioning
procedure
for SolarEdge Inverters

06/2020

solar**edge**

Presenter



Peter Edmonds

Technical Account Manager

What Are We Going to Talk About?



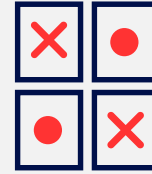
A New Activation & Configuration Method



Why is SetApp beneficial for installers?



Technical point of view



Online game



Addendum

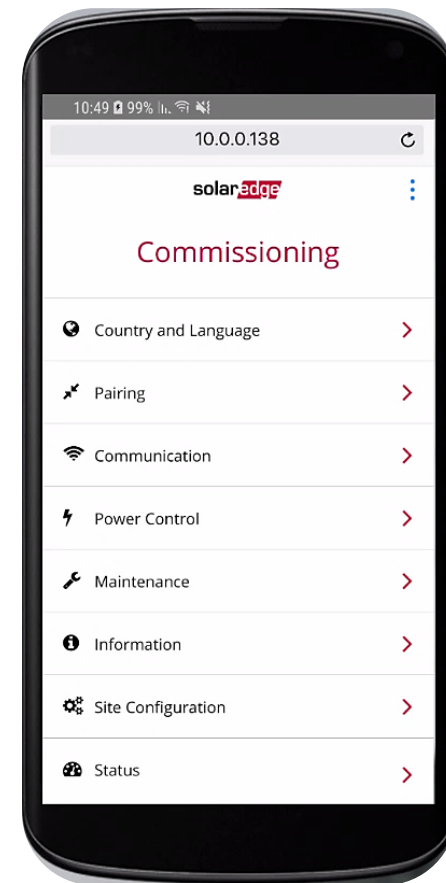
A New Activation & Configuration Method



The New Standard

Inverters SetApp

- ▮ Quick and simple
- ▮ Better functionality
- ▮ Automated upgrade





Why is SetApp
beneficial for
installers?

Why is SetApp beneficial?



- ▮ Latest firmware version
- ▮ Intuitive activation
- ▮ Simple management





Technical Point of View

Inverter SetApp Flow



Connect



Configure & Pair



Produce Power

Inverter SetApp Flow

1st Time Installation

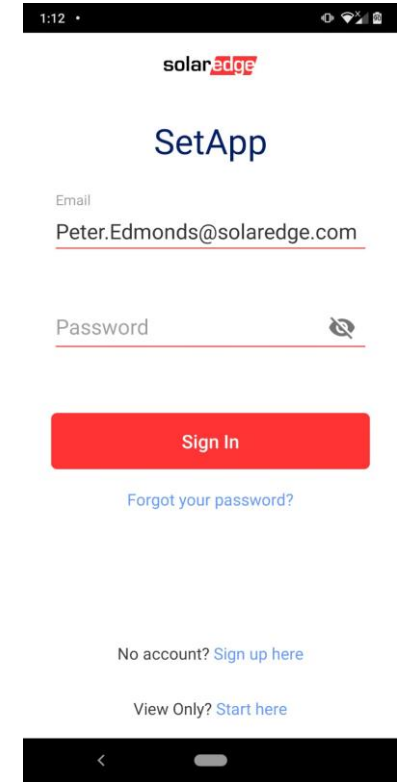
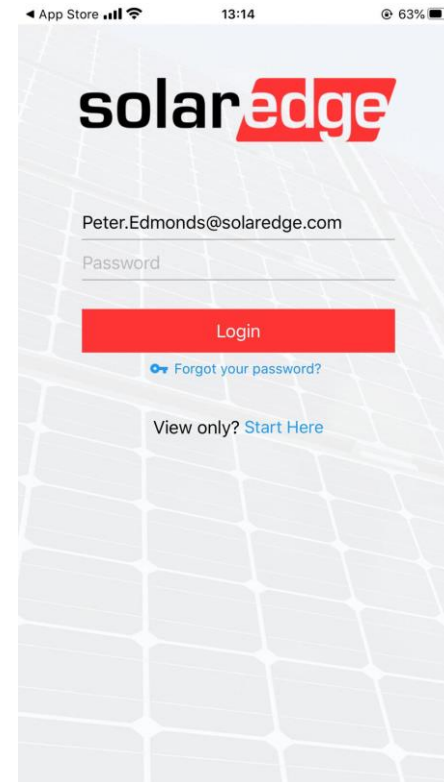
Download the
SolarEdge Inverter
SetApp



Inverter SetApp Flow

1st Time Installation

Log-in by using your Monitoring credentials



Try your luck – Quiz time



An installer can upgrade the firmware in a screenless SolarEdge inverter by using?

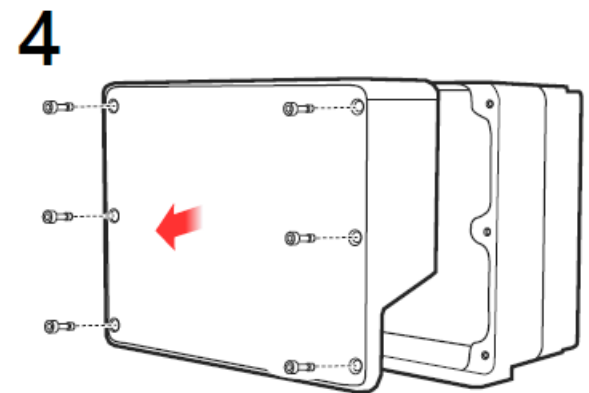
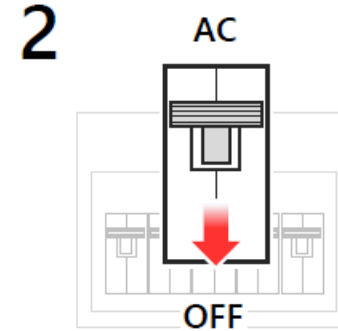
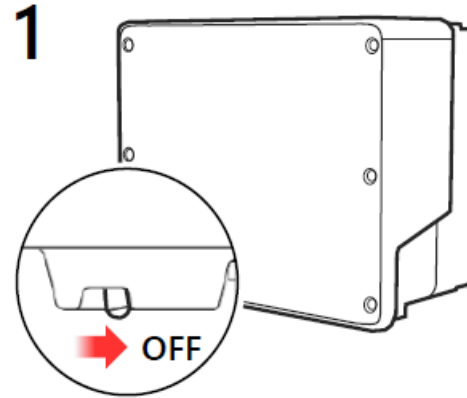


Video SetApp Walkthrough

Three Steps Installation

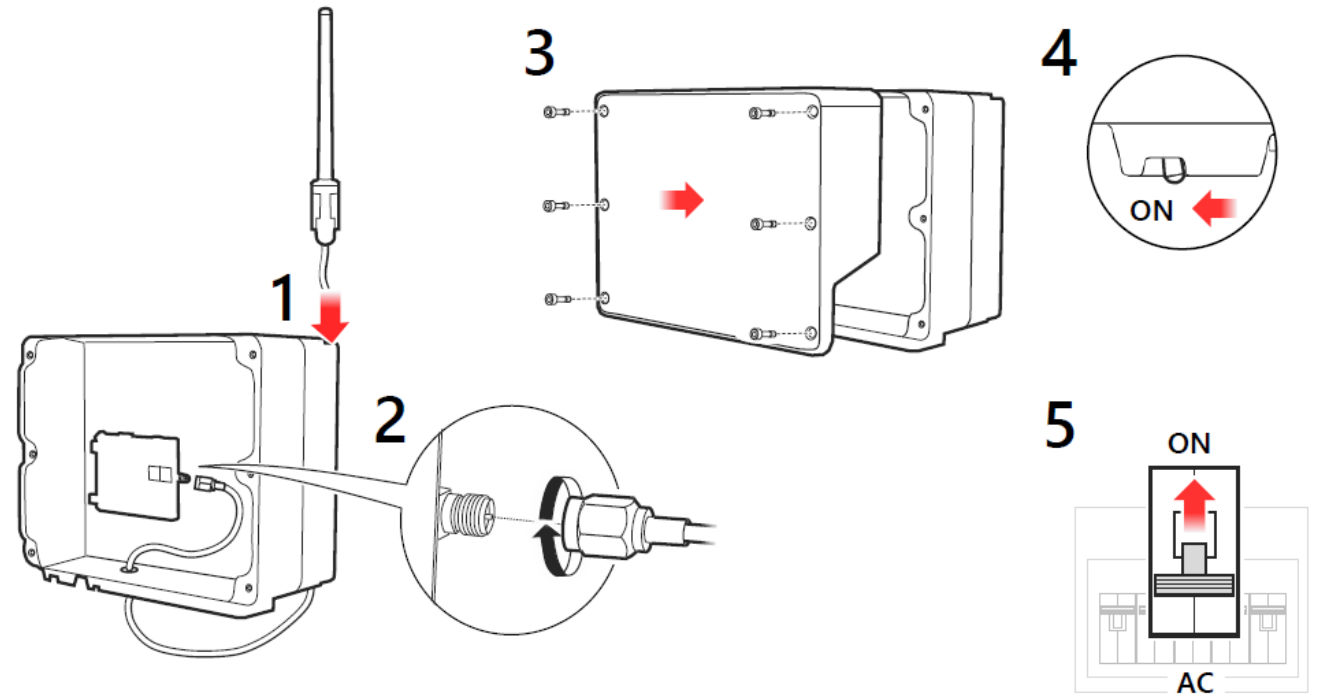
1

Remove Inverter Cover



Three Steps Installation

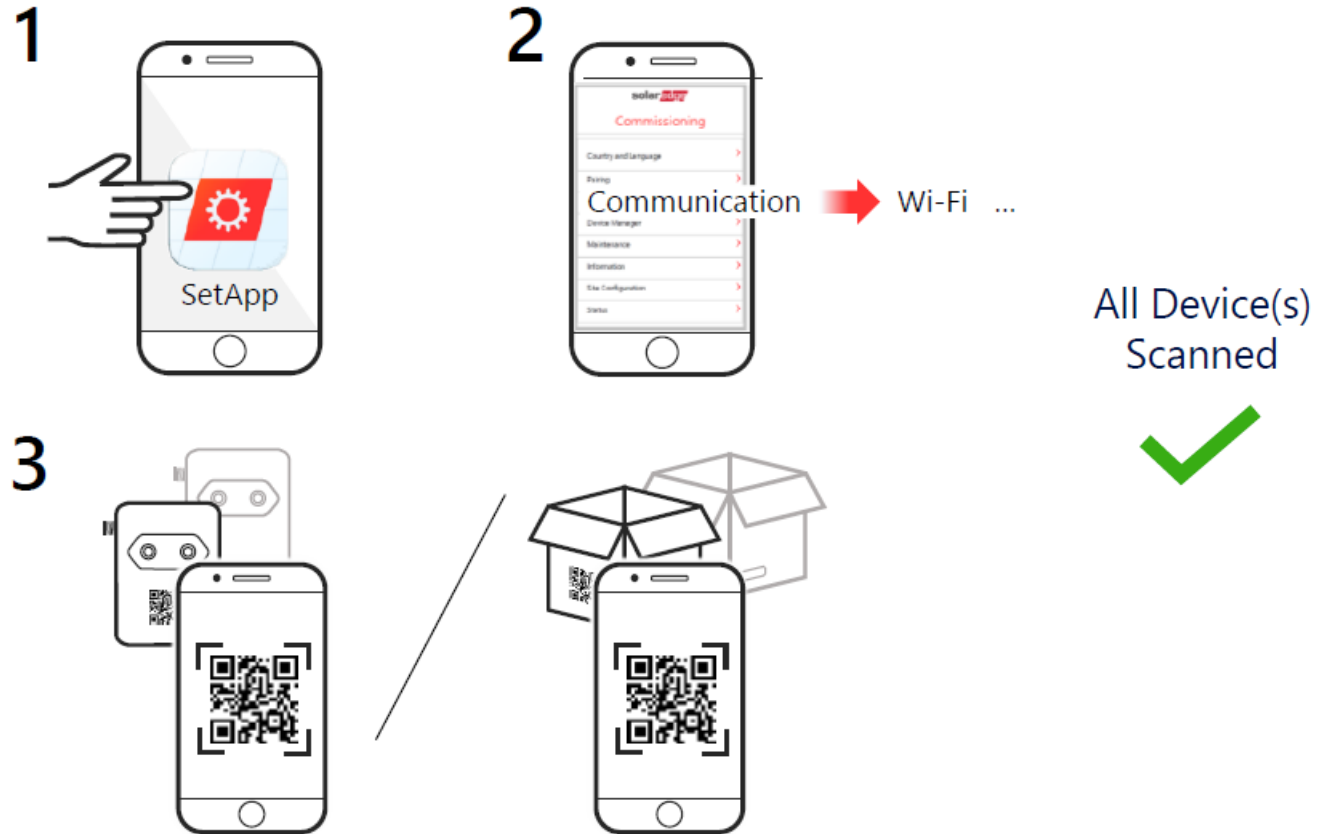
2 Install Antenna



Three Steps Installation

3

Pair with Inverter



SetApp to Inverter

Switch to P position



Single Phase Inverter with
HD-Wave Technology



Three Phase Inverter

SetApp to Inverter

Establish Wi-Fi
connection for Android



SetApp to Inverter

Establish Wi-Fi
connection for an iOS



Connect

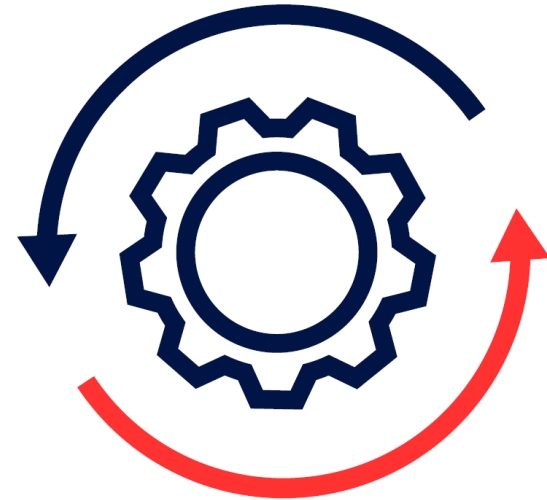
SetApp to Inverter

Wi-Fi connection



SetApp to Inverter

Firmware Update &
Activation



Try your luck – Quiz time











Which of the following is required to commission an inverter with SetApp?

Configure & Pair

SetApp Commissioning

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Commissioning

-  Country and Language >
-  Pairing >
-  Communication >
-  Power Control >
-  Maintenance >
-  Information >
-  Site Configuration >
-  Status >

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Configure & Pair

SetApp

Wi-Fi connection to
system owner network



Configure & Pair

SetApp

Connect inverter Wi-Fi to system owner network

1

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Commissioning

| | |
|------------------------|---|
| 🌐 Country and Language | > |
| ⚙️ Pairing | > |
| 📶 Communication | > |
| ⚡ Power Control | > |
| 🔧 Maintenance | > |
| ℹ️ Information | > |
| 👤 Status | > |

Exit Commissioning

2

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Communication

| | | |
|-----------------|-------------------------|---|
| Server | LAN | > |
| LAN | DHCP | > |
| RS485-1 | SunSpec (Non-SE Logger) | > |
| RS485-2 | SolarEdge Slave | > |
| Wi-Fi | Not Connected | > |
| GPIO | RRCR | > |
| Modbus TCP port | 1502 | > |

Exit Commissioning

3

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Server

| | |
|---------------|---|
| LAN | ✓ |
| Wi-Fi | |
| RS485-1 Slave | |

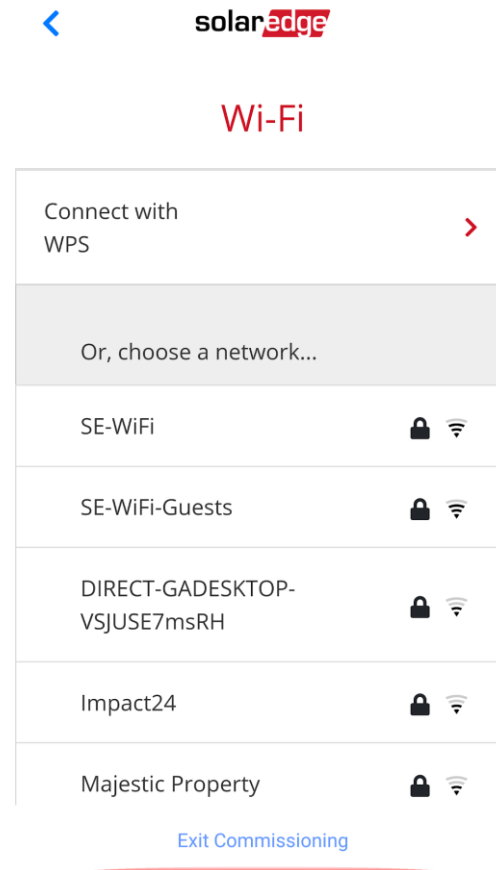
Exit Commissioning

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Configure & Pair

SetApp

Configure inverter
Wi-Fi



Configure & Pair

SetApp

Wi-Fi connection issues



Configure & Pair

SetApp

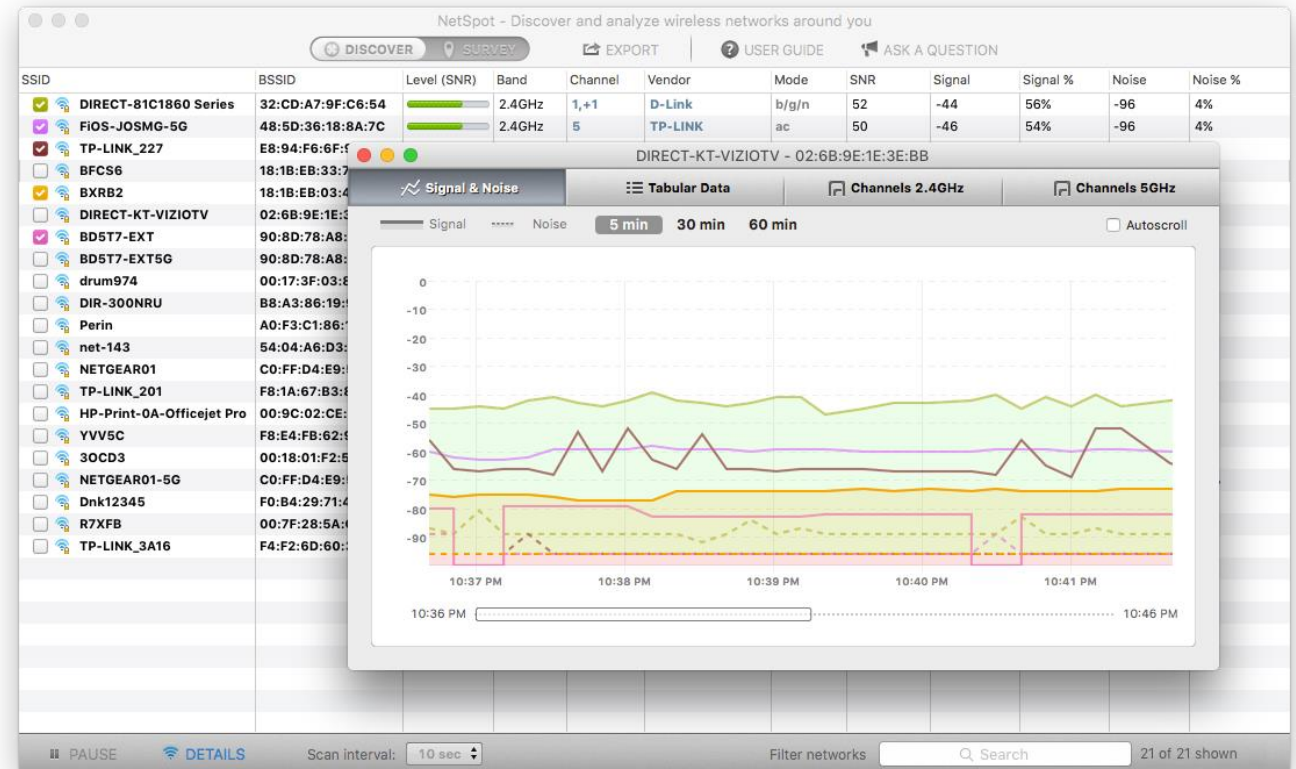
Checking Wi-Fi
properties - Android



Configure & Pair

SetApp

Checking Wi-Fi properties – Laptop
Using NetSpot



Configure & Pair

SetApp

Resolving Wi-Fi
channel issues



Try your luck – Quiz time

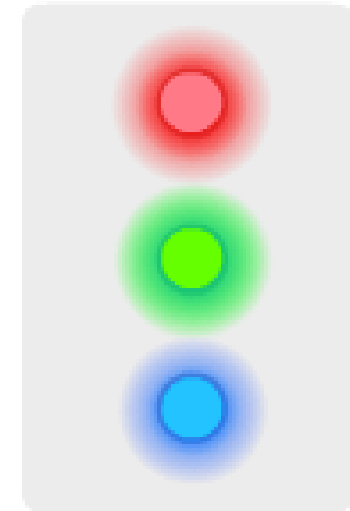
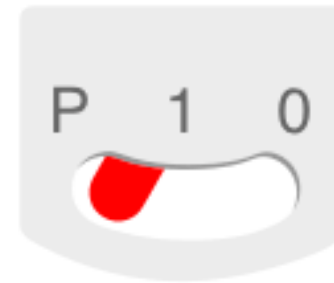


Which Wi-Fi channels are supported by SetApp?

Pair & Configure

SetApp Commissioning

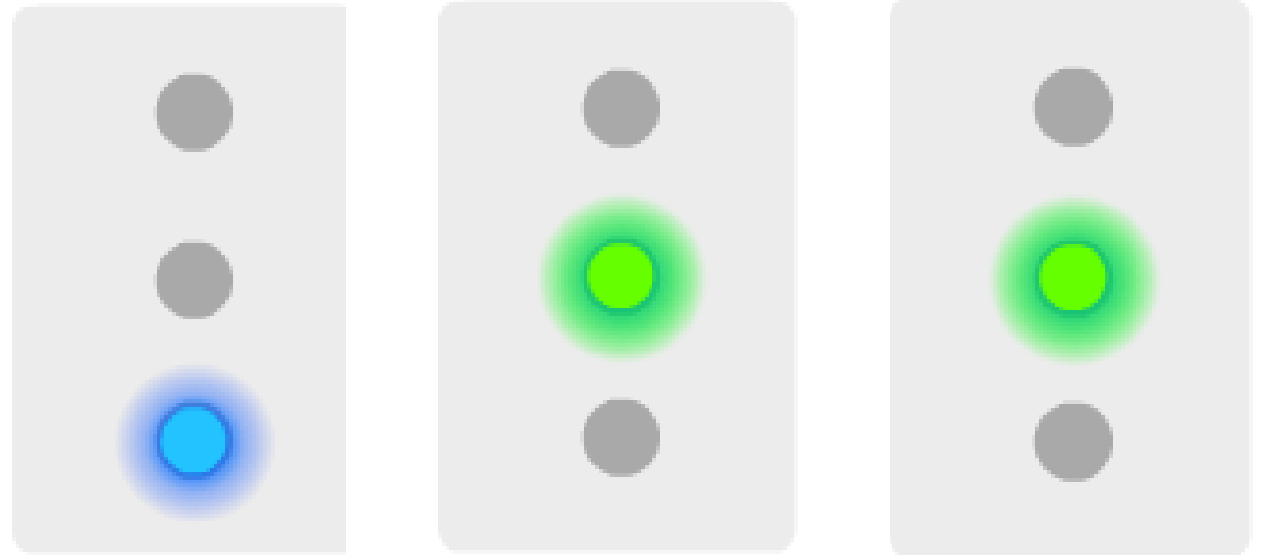
LEDs Indications



Pair & Configure

SetApp Commissioning

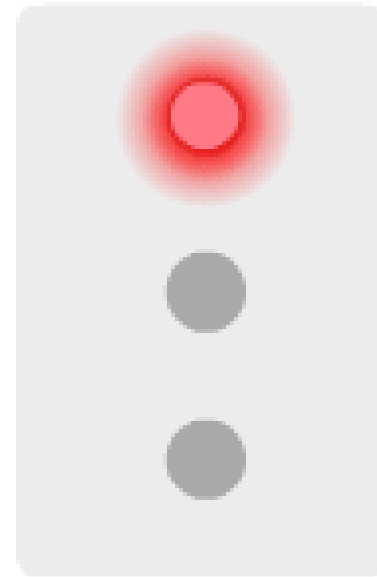
LEDs Indications



Pair & Configure

SetApp Commissioning

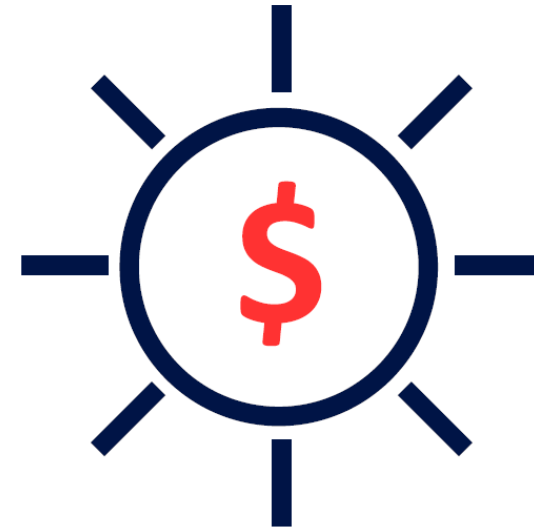
LEDs Indications



Produce Power

SetApp

View system status



SolarEdge mobile applications



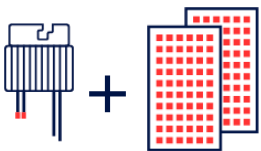
SetApp



Monitoring App



mySolarEdge

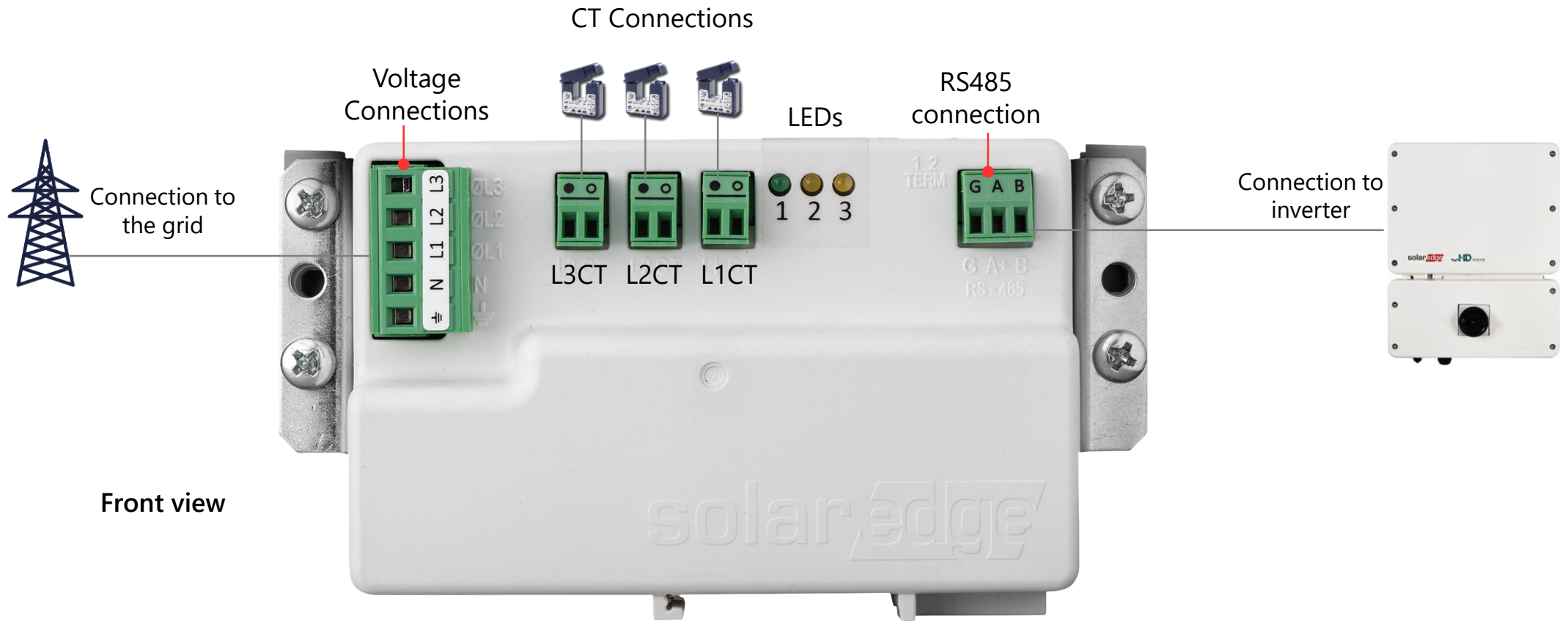


Mapper

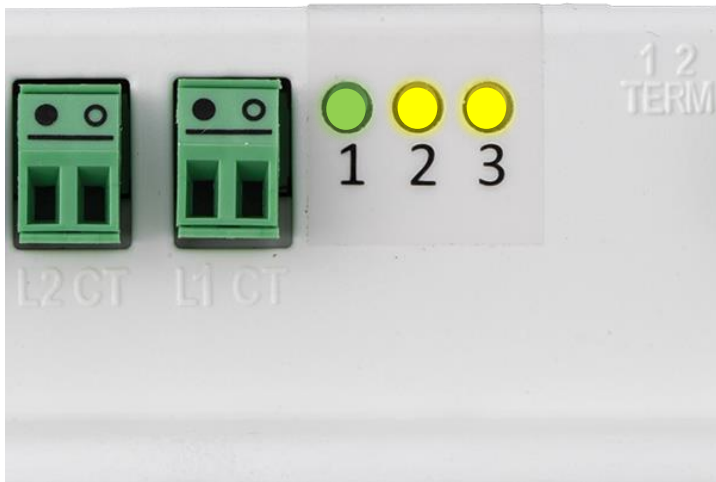


StorEdge Energy Meter with Modbus Connection

Meter Interfaces and Specifications

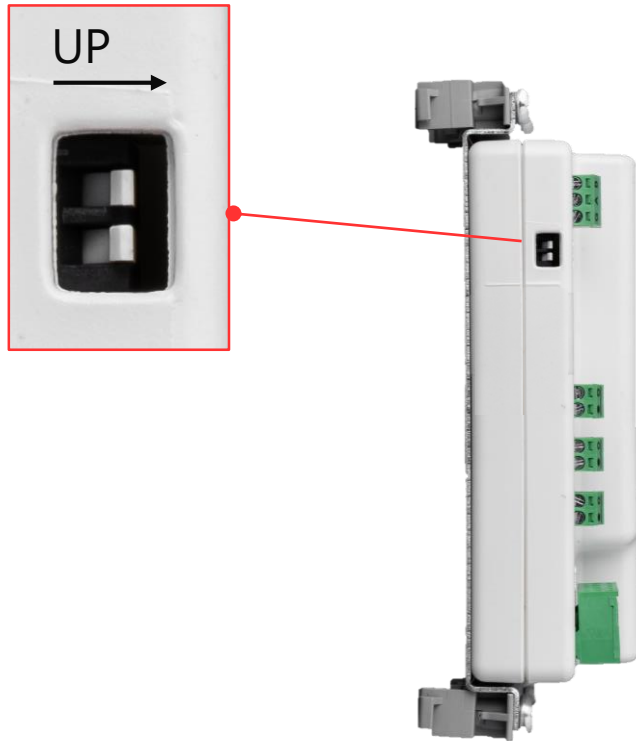


Meter LEDs



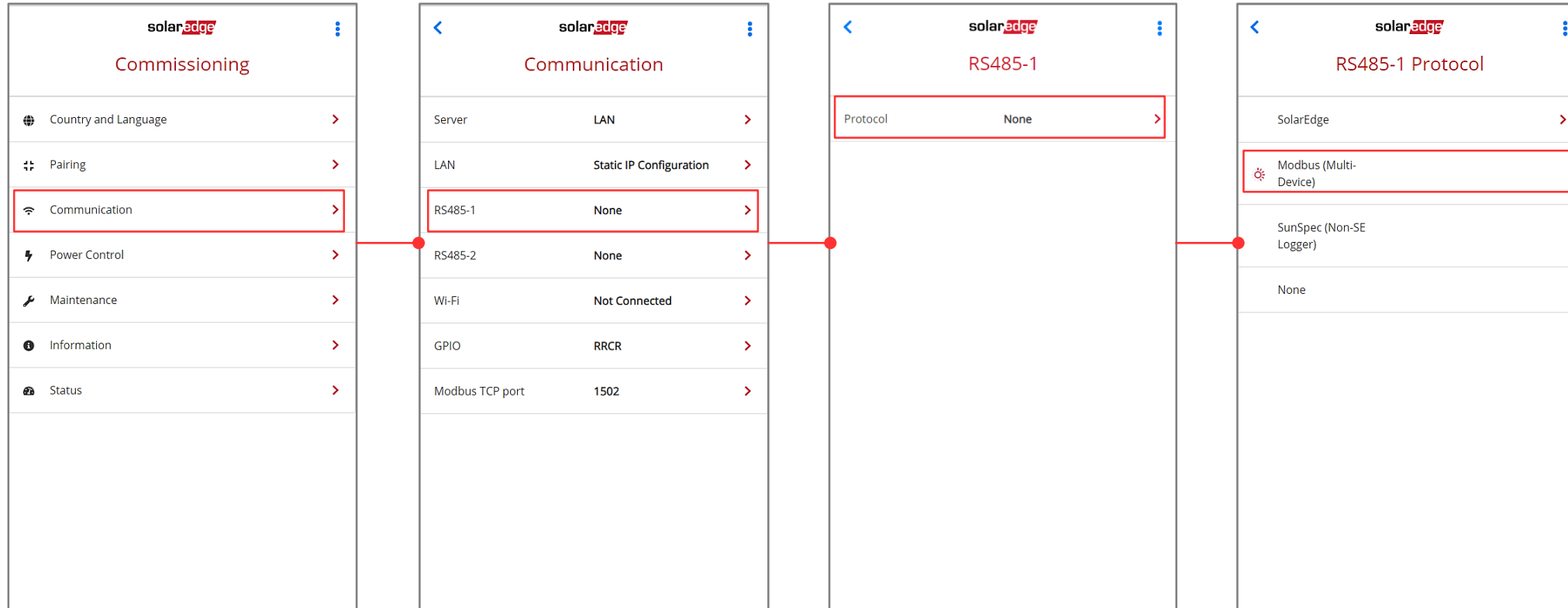
| LED # | LED Color | Function |
|-------|-----------|----------------------------|
| 1 | Green | Operational Status |
| 2 | Yellow | RS485 Modbus communication |
| 3 | Yellow | Energy management |

DIP Switches

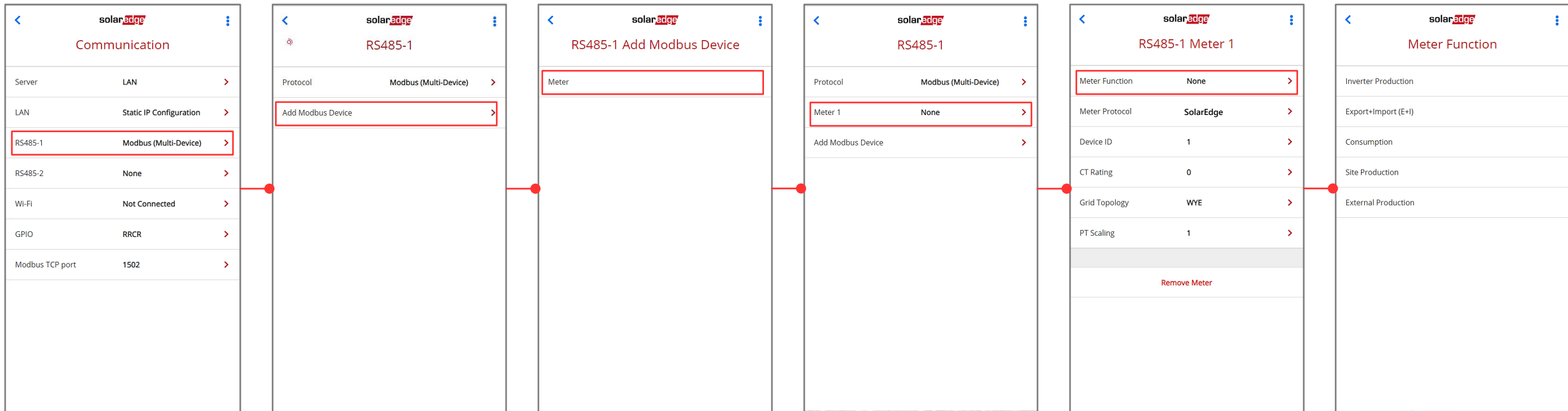


| RS485 Termination | TERM 1 | TERM 2 |
|----------------------------------|--------|--------|
| Terminated | Down | Down |
| Not Terminated (factory default) | Up | Up |

Configuring a Meter using SetApp (1/2)



Configuring a Meter using SetApp (2/2)



Questions?



Three Key Takeaways from This Webinar

- 1 Title**
The Wi-Fi connection between the gateway and the inverter is independent
- 2 Title**
One or two repeaters can be used for extending the Wi-Fi range.
- 3 Title**
No need a new Wi-Fi password updating

Thank You!

Cautionary Note Regarding Market Data & Industry Forecasts

This power point presentation contains market data and industry forecasts from certain third-party sources. This information is based on industry surveys and the preparer's expertise in the industry and there can be no assurance that any such market data is accurate or that any such industry forecasts will be achieved. Although we have not independently verified the accuracy of such market data and industry forecasts, we believe that the market data is reliable and that the industry forecasts are reasonable.

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