



SolarEdge Winter Webinars

South East Europe

February – March 2022

Your Presenters Today



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Winter Webinars Program

Training events for South East Europe

Monday, Feb 21st	3pm CET / 4pm EET	SolarEdge Home
Wednesday, Feb 23rd	3pm CET / 4pm EET	SolarEdge Commercial Solution
Monday, Feb 28th	3pm CET / 4pm EET	Concept of operation and our smart design tool
Wednesday, Mar 2nd	3pm CET / 4pm EET	Get the most out of SolarEdge monitoring



Get the most out of SolarEdge Software

Today's agenda



- ▮ The SolarEdge SetApp
- ▮ SolarEdge Site Mapper
- ▮ The SolarEdge Monitoring Platform
- ▮ Live Session on Monitoring & SetApp
- ▮ mySolarEdge App for System Owners
- ▮ Q&A

SolarEdge Software Tools

Bringing value to installers every step of the way

Project Planning

PV Installation

Pv System Monitoring & Management

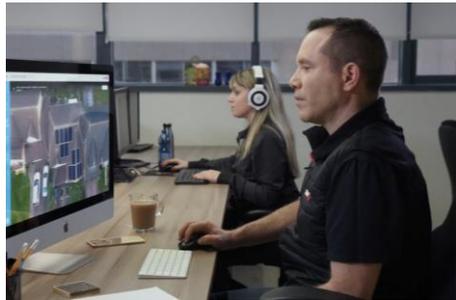
Designer

SetApp

Mapper App

Monitoring Platform

mySolarEdge



PV design and validation tool

Easy inverter commissioning direct from the installer's smartphone

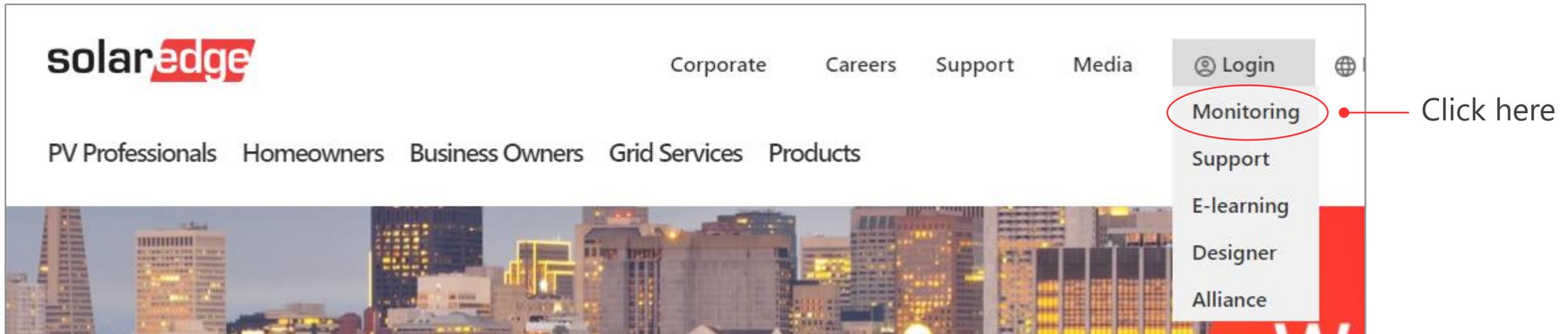
Quick creation of virtual site maps in the monitoring platform

Tracks PV performance at the module level and enables remote system maintenance

Monitoring system production and household energy consumption for system owners

Accessing The Monitoring Platform

- Go to www.solaredge.com and click on "Monitoring Portal Login"



- Download for free on your mobile devices:



Free download

First Time Registration

Click on the "New Installer" link to register

solar^{edge} English (US)

Welcome to the SolarEdge Monitoring Platform

User Name:
Email

Password:

I'm not a robot  reCAPTCHA
Privacy Terms

Login Remember me

[Forgot your password?](#)

Available on the App Store

ANDROID APP ON Google play

New Installer? [Click here](#)

New System Owner? Contact your installer to set up your account

[Public Sites](#) | [Demo Account](#)

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Register here

Before doing your very first SolarEdge installation you can already create your installer account, as soon as you have an inverter.

Registration

- Fill in the form with the details requested
- After the registration process you will receive an activation email
- Click on the link in this email to confirm your email address
- The registration procedure can take up to 2 days

 Contact Details

First Name	<input type="text"/>	Password	<input type="password"/>
Last Name	<input type="text"/>	Confirm Password	<input type="password"/>
Email	<input type="text"/>	Display Units	<input type="text" value="Metric"/>
Phone	<input type="text"/>	Language	<input type="text" value="English (GB)"/>
Job Type	<input type="text"/>		

 Company Details

Company Name	<input type="text"/>	Company Address	<input type="text"/>
Company Web Site	<input type="text" value="Optional"/>	Company Address 2	<input type="text" value="Optional"/>
Business Scale	<input type="text" value="Select"/>	City	<input type="text"/>
Business Type	<input type="text" value="Select"/>	State/Region	<input type="text"/>
Country	<input type="text" value="Italy"/>	Zip Code	<input type="text"/>

 PV System Details

I request access to Monitoring Platform and I acknowledge that I have the authority from site owners to have this access.

Serial Number (SN)	<input type="text"/>	
Distributor	<input type="text"/>	

Login

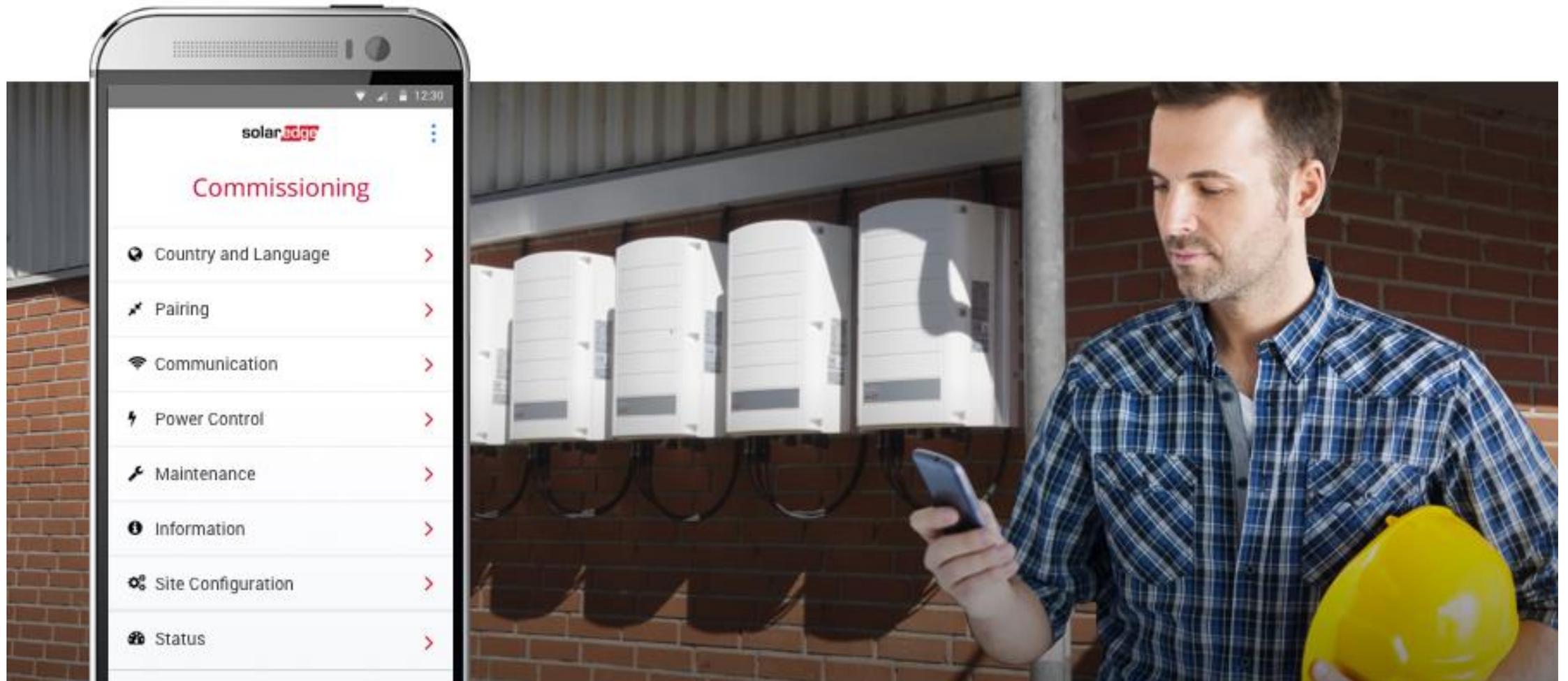
- Enter username and password and click "Login"

The screenshot shows the SolarEdge login interface. At the top left is the SolarEdge logo, and at the top right is a language dropdown menu set to "English (US)". The main heading reads "Welcome to the SolarEdge Monitoring Platform". Below this are two input fields: "User Name:" containing "onail" and "Password:" which is empty. A red line connects the "Email address" label to the User Name field. Below the password field is a reCAPTCHA box with the text "I'm not a robot" and a "reCAPTCHA Privacy - Terms" link. A red line connects the "Password" label to the Password field. At the bottom left is a "Login" button and a "Remember me" checkbox. A red line connects the "Login" label to the Login button. Below the Login button is a link for "Forgot your password?". On the right side of the form, there are two app store badges: "Available on the App Store" and "ANDROID APP ON Google play". Below these are links for "New Installer? Click here" and "New System Owner? Contact your installer to set up your account".



SetApp

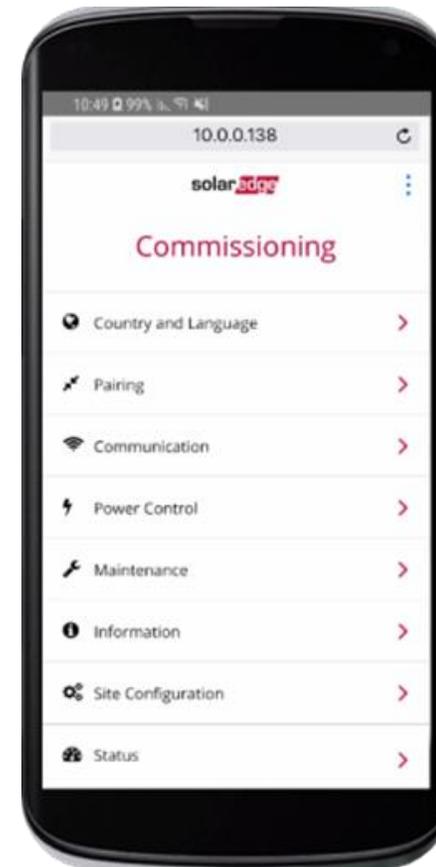
SolarEdge Inverter SetApp



Commissioning Made Easy

Activating and configuring new SolarEdge inverters is now done directly through your smartphone using the SetApp mobile application

All the information you need is in the palm of your hand — the display screen is no longer needed



SetApp application



Improving Installation Experience

SetApp is part of a new enhanced inverter communication board

- ▀ Connects via local Wi-Fi to the new communication board in the inverter
- ▀ Updates the device with the latest firmware version
- ▀ Intuitive, easy to read menu



Single Phase Inverter with HD-Wave Technology



Single Phase Inverter with Compact Technology



Three Phase Inverter with Synergy Technology

Intuitive Activation and Configuration

SetApp makes commissioning your installation quick and simple with step-by-step instructions and easy to read menus

1



A local Wi-Fi connection is created between your smartphone and the inverter. System firmware is upgraded, and the system is activated

2



Inverter pairing and configuration is managed through the SetApp menu on your smartphone

3



Once the inverter and power optimizer pair, the system start up process begins. The power optimizers start producing power, and the inverter starts converting power from DC to AC

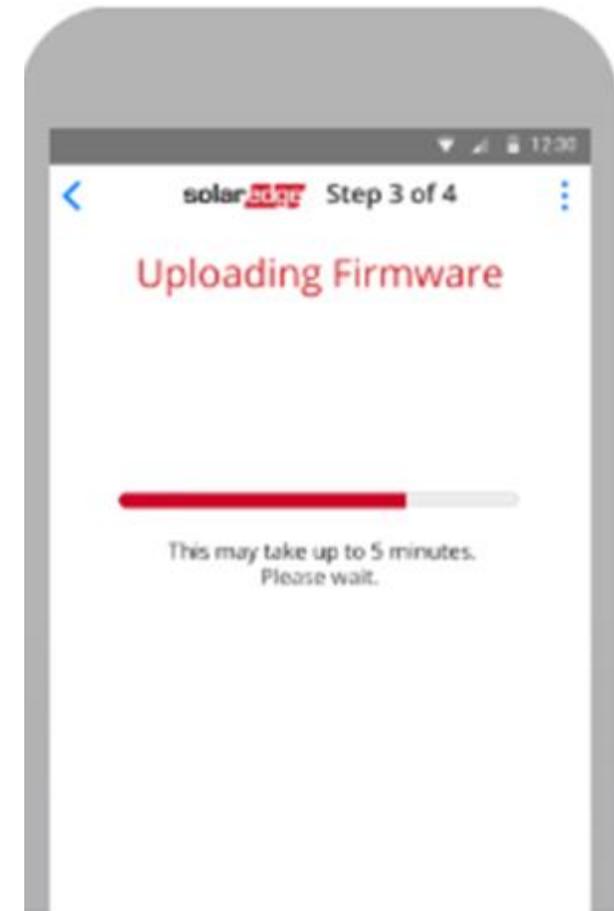
Connect

Scan the inverter barcode to create a fully secure local Wi-Fi connection between your smartphone and the inverter



Update and Activate

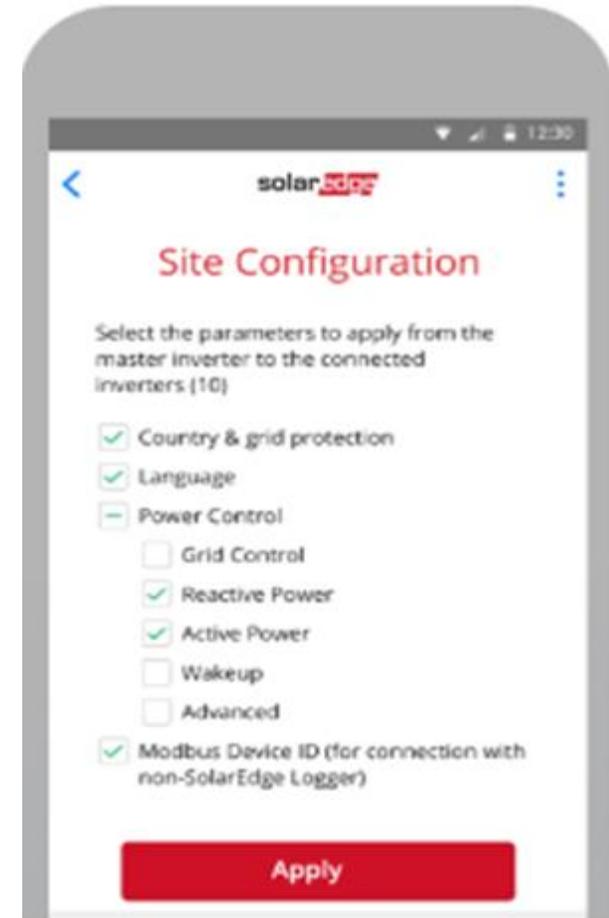
Inverter is automatically updated with the latest firmware version to save you time



Configure

Configure parameters such as country and grid, language and communication options

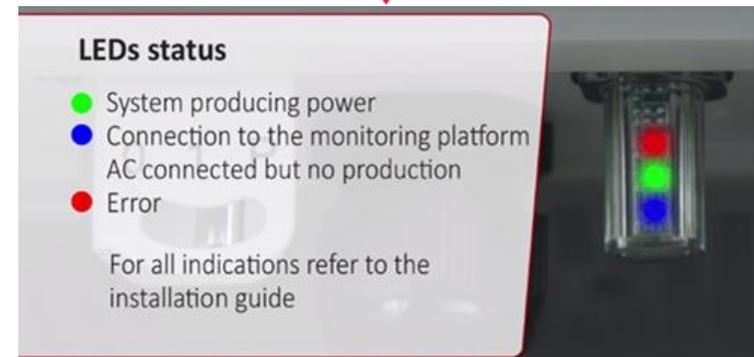
Simultaneous configuration of up to 31 additional devices from the master inverter



Viewing System Status

There are a number of ways to view and check the inverter's status:

- SetApp indicates system performance via the status screen
- LEDs indicate system information such as performance, communication, or system errors
- The monitoring platform indicates system performance in the site list and via the Layout tab icon





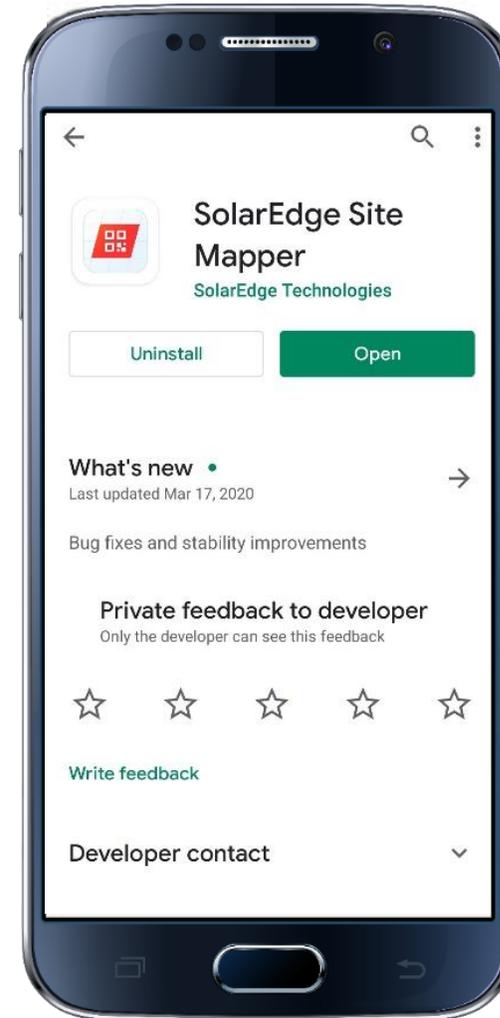
SolarEdge Mapper App Overview

Mapper app - Overview

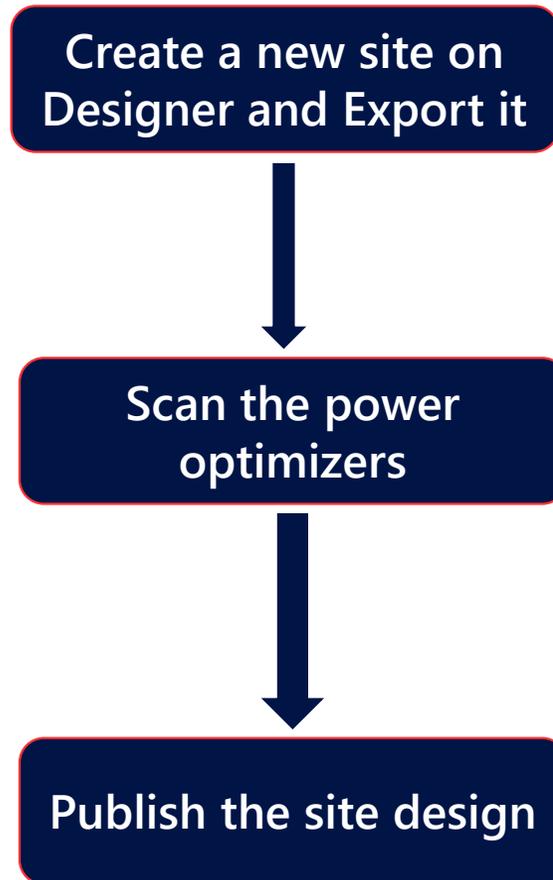
- SolarEdge's Mapper mobile application allows installers to:
 - Create a physical layout of the PV site
 - Map each onsite SolarEdge component by its barcode (serial number)
- This data is then used on the SolarEdge monitoring platform to create a physical site map
 - Provides installers with valuable visual insight, enabling them to identify shading patterns and immediately pinpoint system issues

Downloading the Mapper App

Download the Mapper application via:



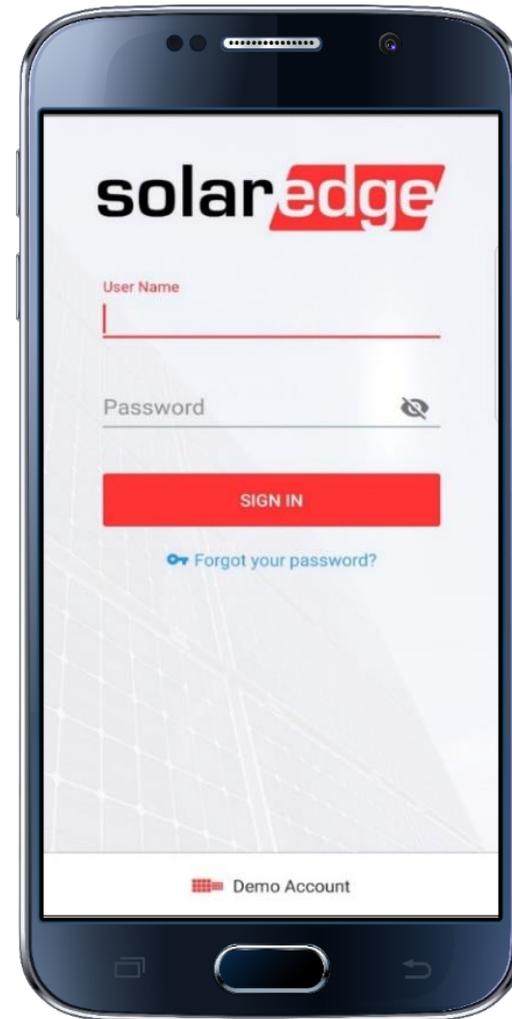
Mapper Workflow



Note: It's highly recommended to save your work to the SolarEdge server approximately every 10 minutes

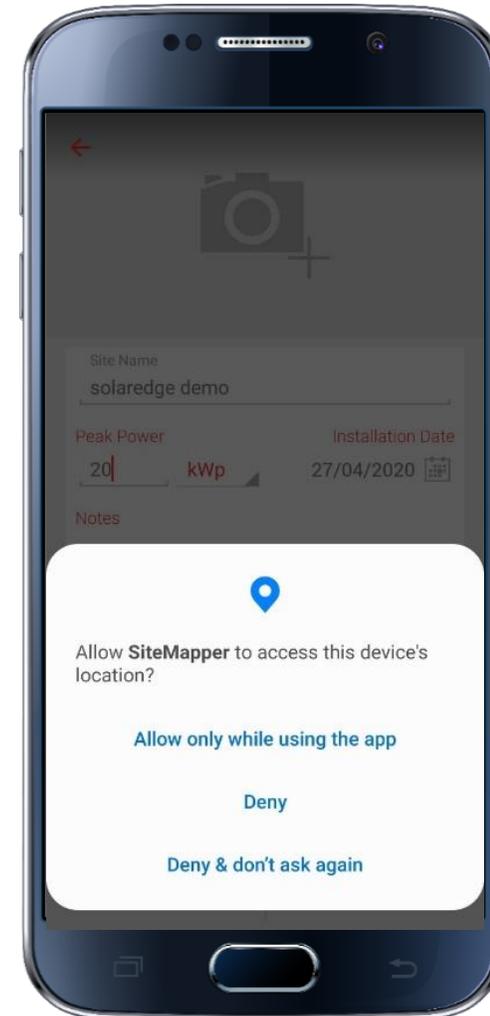
Mapper App Login

- Log in to the app using your standard SolarEdge user credentials



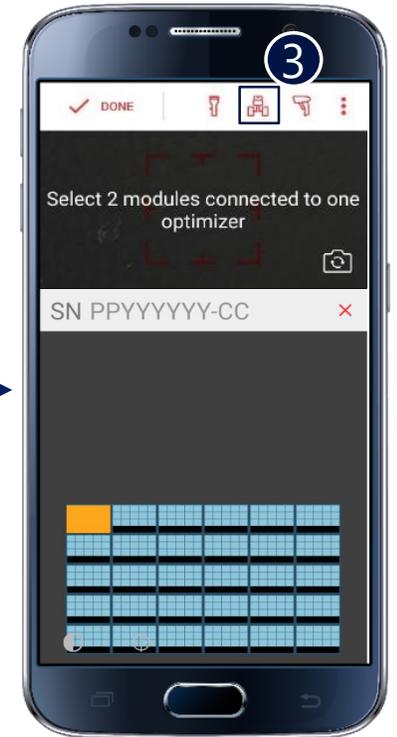
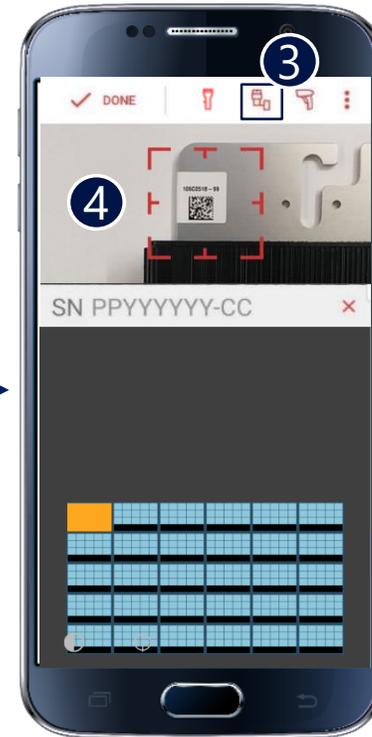
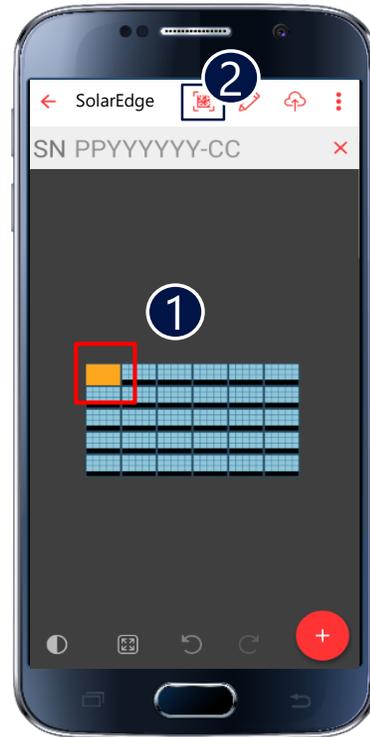
Granting Permissions

- It is recommended to enable the following permissions:
 - Location** – to set the site location when creating/editing sites
 - Camera** – to scan the serial number or take a site photo
 - Storage** – to upload a site photo
 - Notifications** – to receive push notifications



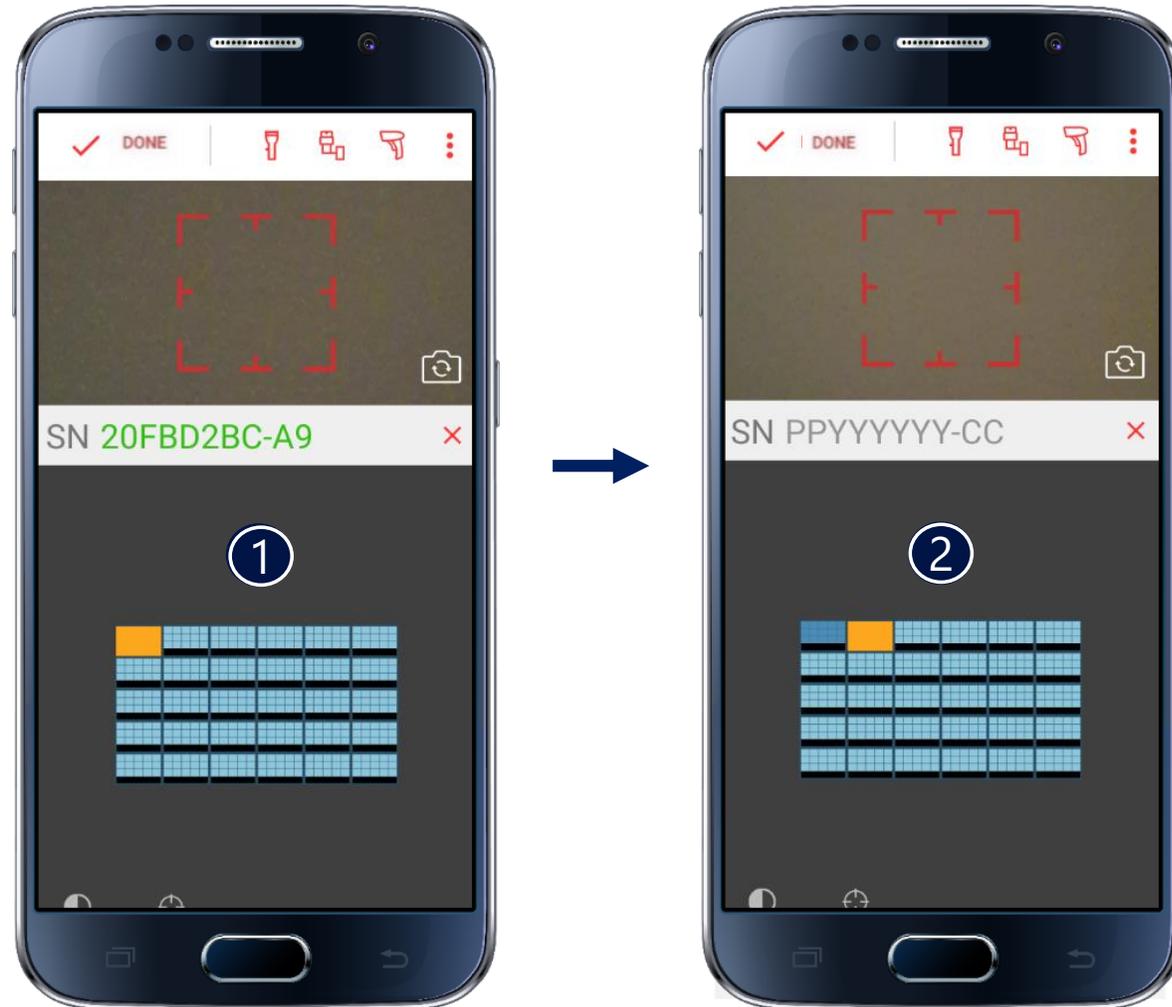
Scanning the Barcode

1. Tap on the first module to be scanned
2. Tap on the barcode icon to start scanning
3. Select the configuration:
 - a. One module per power optimizer 
 - b. Two modules per power optimizer 
4. Point the camera to the power optimizer's barcode sticker

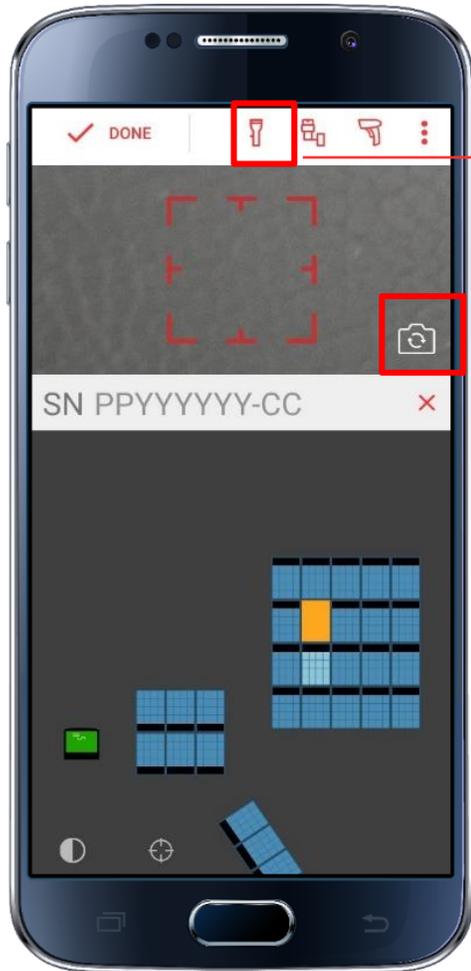


Scanning the Barcode

- Each successful barcode scan is notified via:
 - Short audio beep
 - Short vibration
 - Scanned S/N on screen
 - The app will automatically indicate the next module to be scanned according to a snake algorithm
- Note:** An alternative module can also always be selected manually
- Continue the procedure until all power optimizers have been scanned



Scanning the Barcode



Use your smartphone flashlight when scanning in poor lighting conditions

You can use also your smartphone's front camera when scanning power optimizer barcodes to avoid flipping your phone to check the app screen

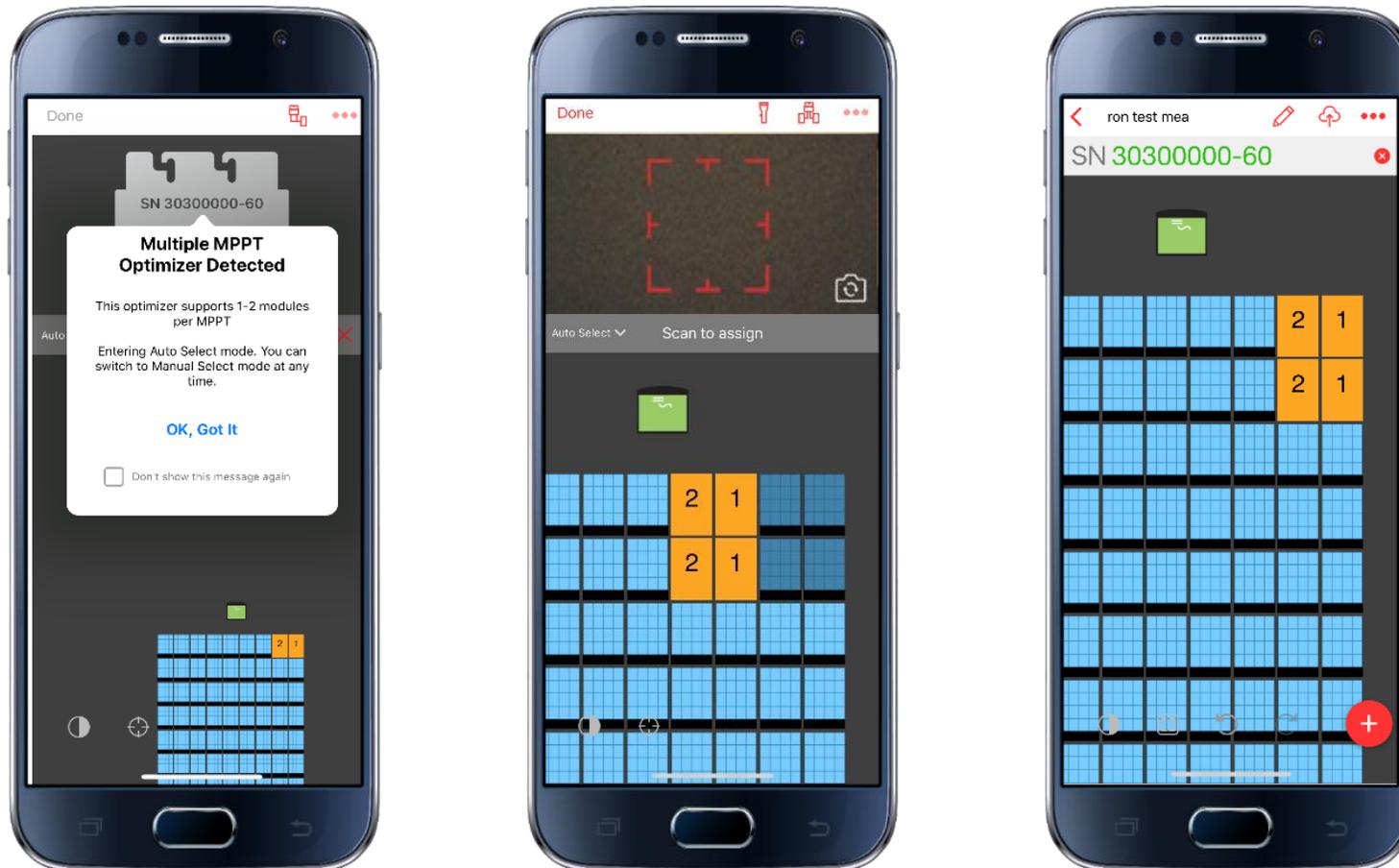
Scanning Commercial Power Optimizers

A commercial power optimizer has one Maximum Power Point Tracker (MPPT) per two modules

1. Tap on the first module to be scanned. To initiate the flow, you only need to select one module to begin with
2. Tap on the barcode icon to start scanning
3. Select the installation configuration:
 - a. One module per power optimizer input 
 - b. Two modules per power optimizer input 
4. Scan the barcode by pointing the smartphone camera to the power optimizer's barcode sticker
5. The first SN will be inserted in the selected module and the second will be inserted automatically in the next module, per the app algorithm
 - a. If the second placement was correct, tap **Assign**. The next 4 modules will be auto selected
 - b. If you wish to change the second module allocation, tap the **Auto Select** button and switch to manual selection. Only the first SN will be displayed. Assign the modules, then select the next modules
6. Continue scanning the power optimizers with no need to change the module allocation or tap any button

Scanning Commercial Power Optimizers

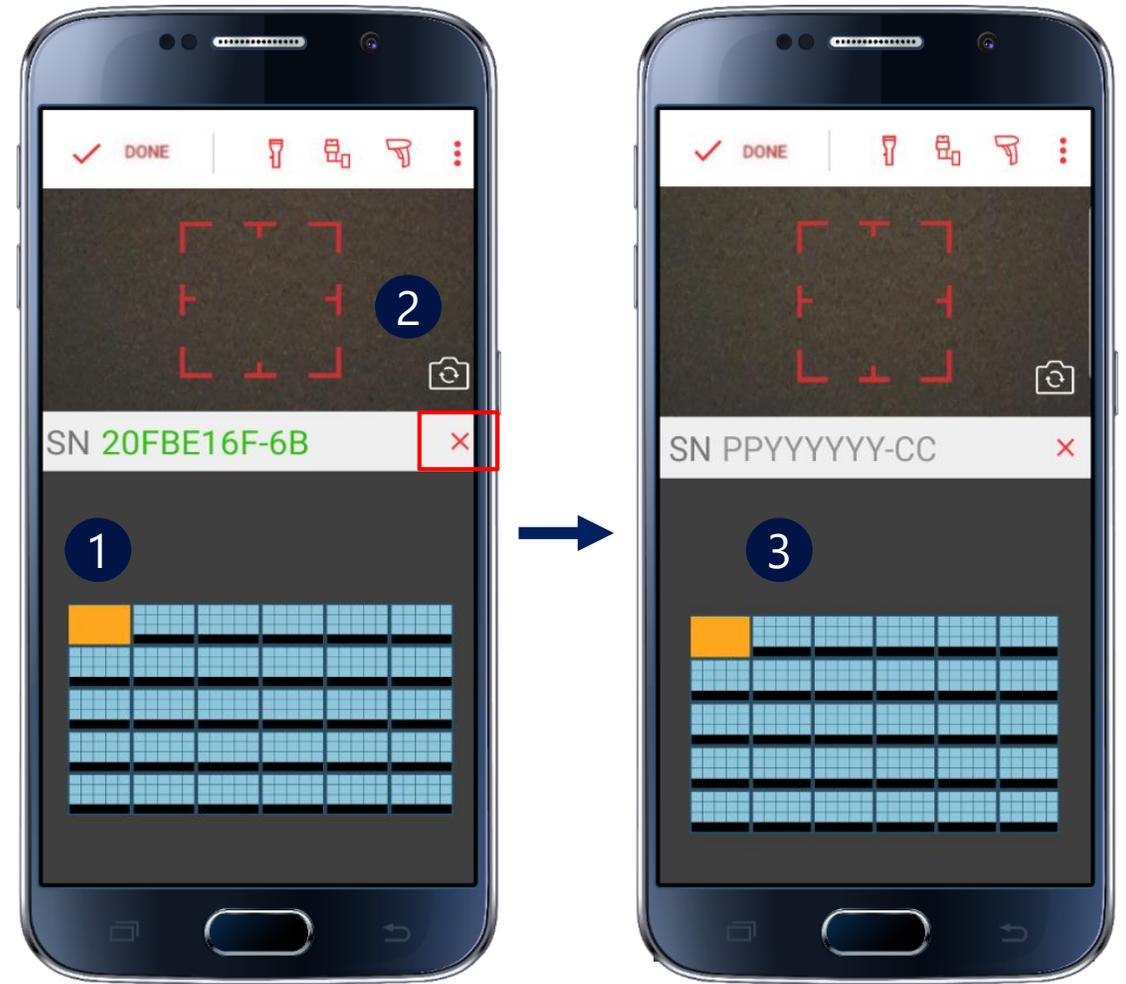
7. If you wish to stop in the middle of allocating modules, tap **X** on the right
8. When you are done, tap **Done** on the top left. If you select any module in the cluster, they will all appear marked and numbered. Tap **X** on the top right to remove the entire cluster



Deleting Serial Numbers

If you made a mistake and selected the wrong module, or scanned the wrong power optimizer, you can remove the SN from the power optimizer

1. Select the relevant module
2. Tap X next to the SN of the power optimizer you want to remove
3. Continue scanning the power optimizers



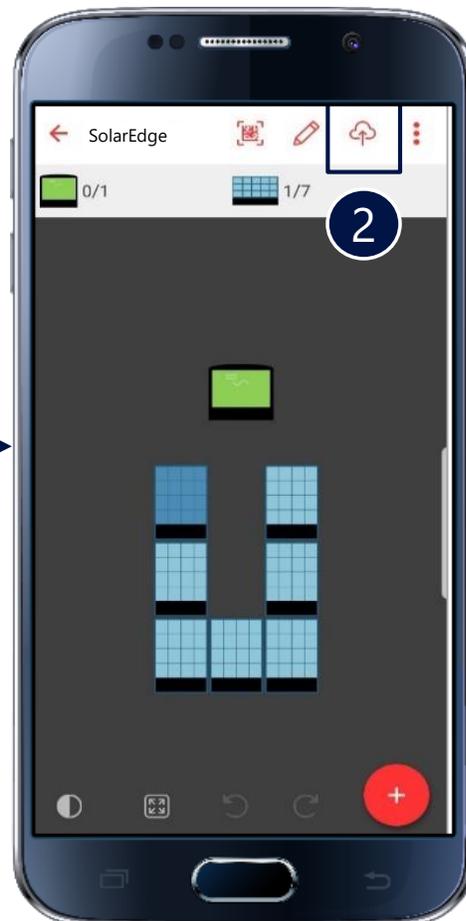
Saving Your Work

- After scanning a number of power optimizers, it is recommended to upload the data to the monitoring platform. The **Save** option will save a draft of your work (end users will not have access)

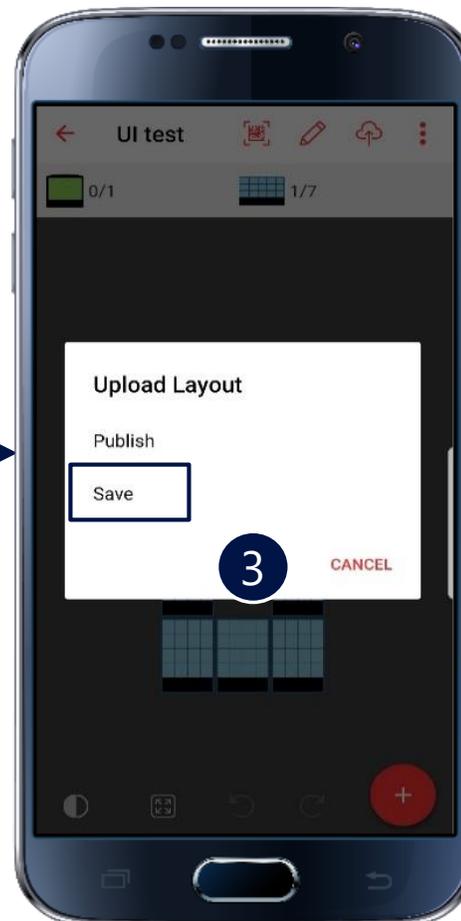
1. Tap Done



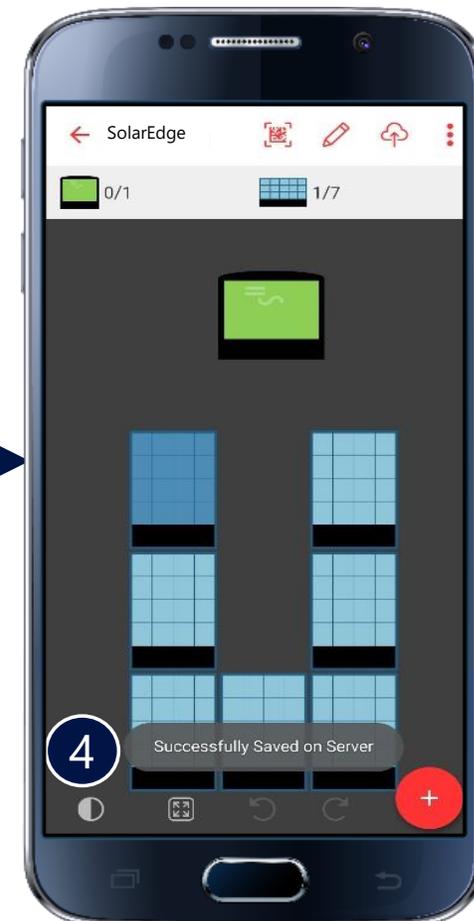
2. Tap the Cloud icon



3. Select Save



4. The data has been successfully saved in the monitoring platform





The SolarEdge Monitoring Platform

The SolarEdge Monitoring Platform

- Free professional web-based platform
- Advanced remote tracing and controlling of your PV sites
- Immediate fault detection and alerts at the module level, string level and system level
- Fully integrated with the SolarEdge ecosystem

<https://monitoring.solaredge.com/solaredge-web/p/login>

The screenshot displays the SolarEdge Monitoring Platform interface. The top navigation bar includes 'MONITORING', 'Sites', 'Alerts', 'Reports', and 'Accounts'. The main content area shows a list of 21 sites out of a total of 2,583,070. Summary statistics at the top right indicate a total power of 33.99 GWp and a lifetime energy of 65 TWh. The left sidebar contains filters for 'FILTER FLEET', search by site name or device S/N, 'Favorites Only', 'Peak Power (kW)' (0 to 27,500), 'Highest Alert' (1 to 9), 'Location: All', and 'Installed: All'. The main table lists sites with columns for Site Name, Peak Power (kWp), Highest Alert Impact, Address, Energy Today (kWh), and Energy Yesterday.

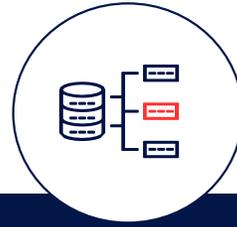
SITE NAME	PEAK POWER (kWp)	HIGHEST ALERT IMPACT	ADDRESS	ENERGY TODAY (kWh)	ENERGY YESTERDAY
Maui Family YMCA	130	6	Kanaloa Ave 250	450.5	415.13
Namaqua Lodge	78.8	6	Voortrekker Road 22	0	324.68
ENERSOL - WITHOFS Em...	7	4	Avenue des Trois Roses 29	0	10.46
CHR de Huy	194.5	3	Porte des Maillets 2-8	0	242.68
Impianto fv Albatech	2.88	2	Via Galimberti 9	0	8.13
UQ PACE Building - 226...	226.46	2	Cornwall Street, 20	589.51	852.01
PV Demo Site	4.1	2	Indian Peaks Trail West 403	15.92	18.16
Meevis_Nederweert	443.85	2	Geheugden 3A	0	304.24
Wholesale Solar Main Of...	8.22	1	412 North Mt Shasta Blvd	0	0

The Monitoring Platform - Remote Management of Sites

Five reasons why you need the Monitoring Platform:



Module-level
monitoring



Accurate real-time
data



Remote management
capabilities

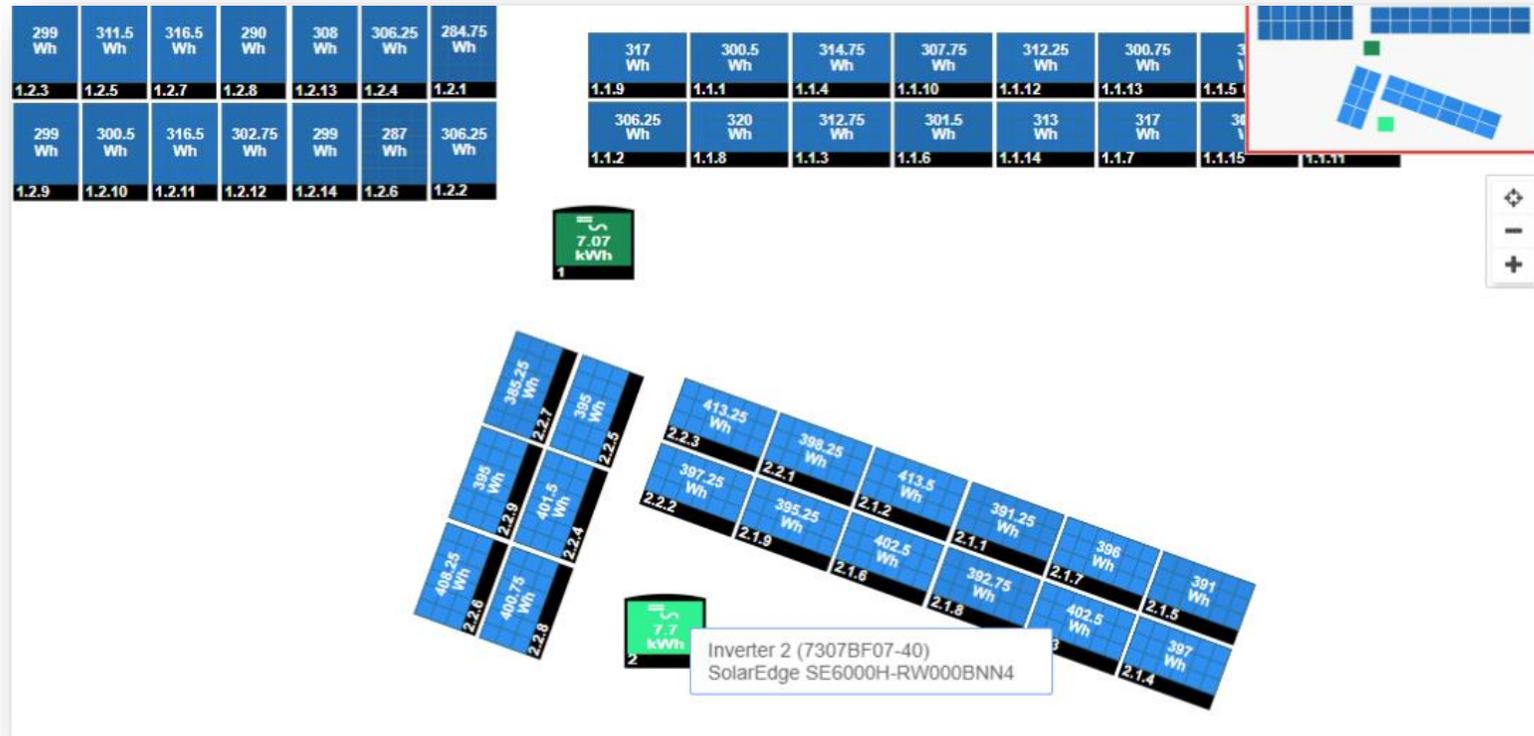


Automated fault
detection



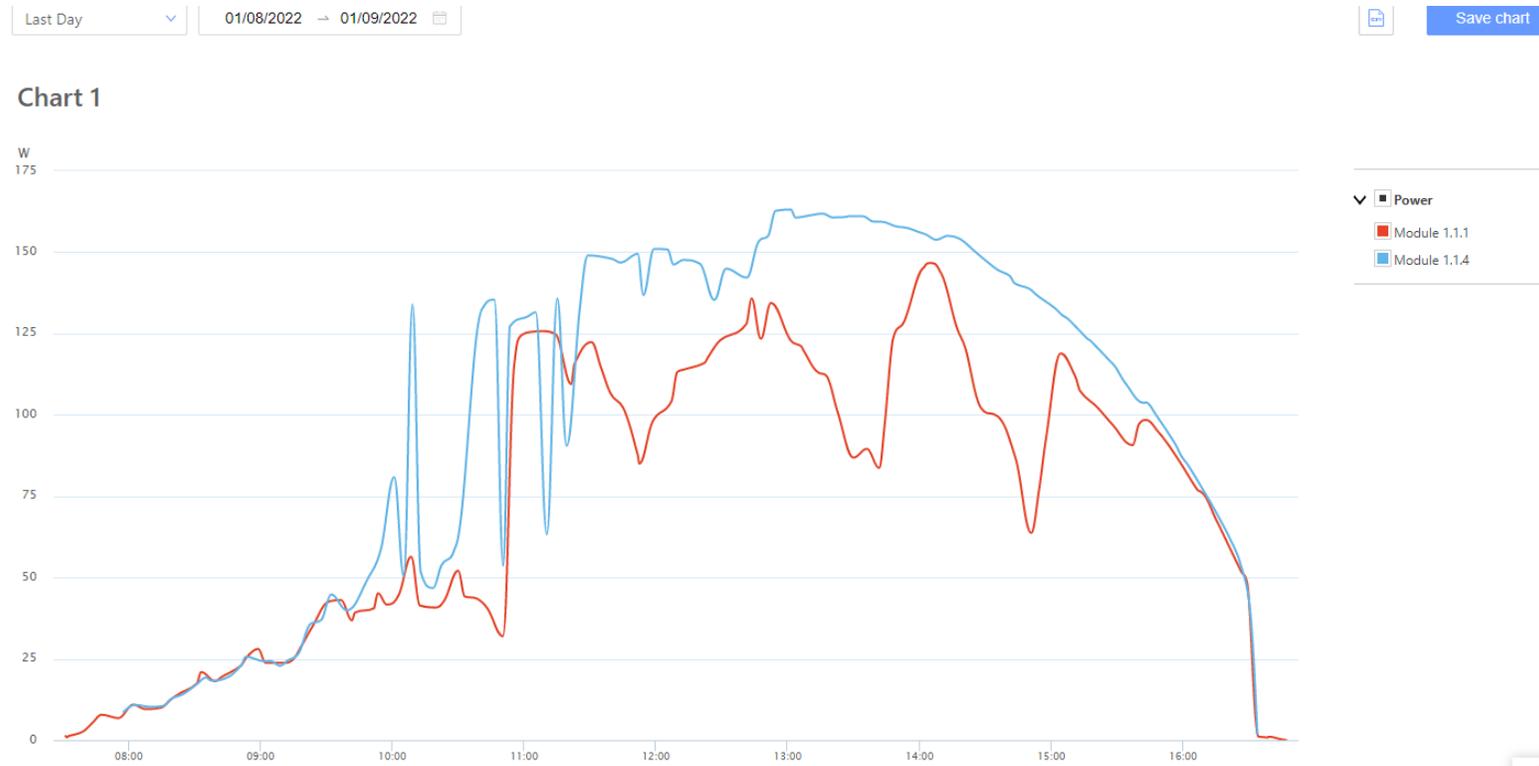
Free access for 25
years

Module-Level Monitoring



- View module-level performance data and alerts
- String-level and system-level views are available in addition to module-level monitoring.

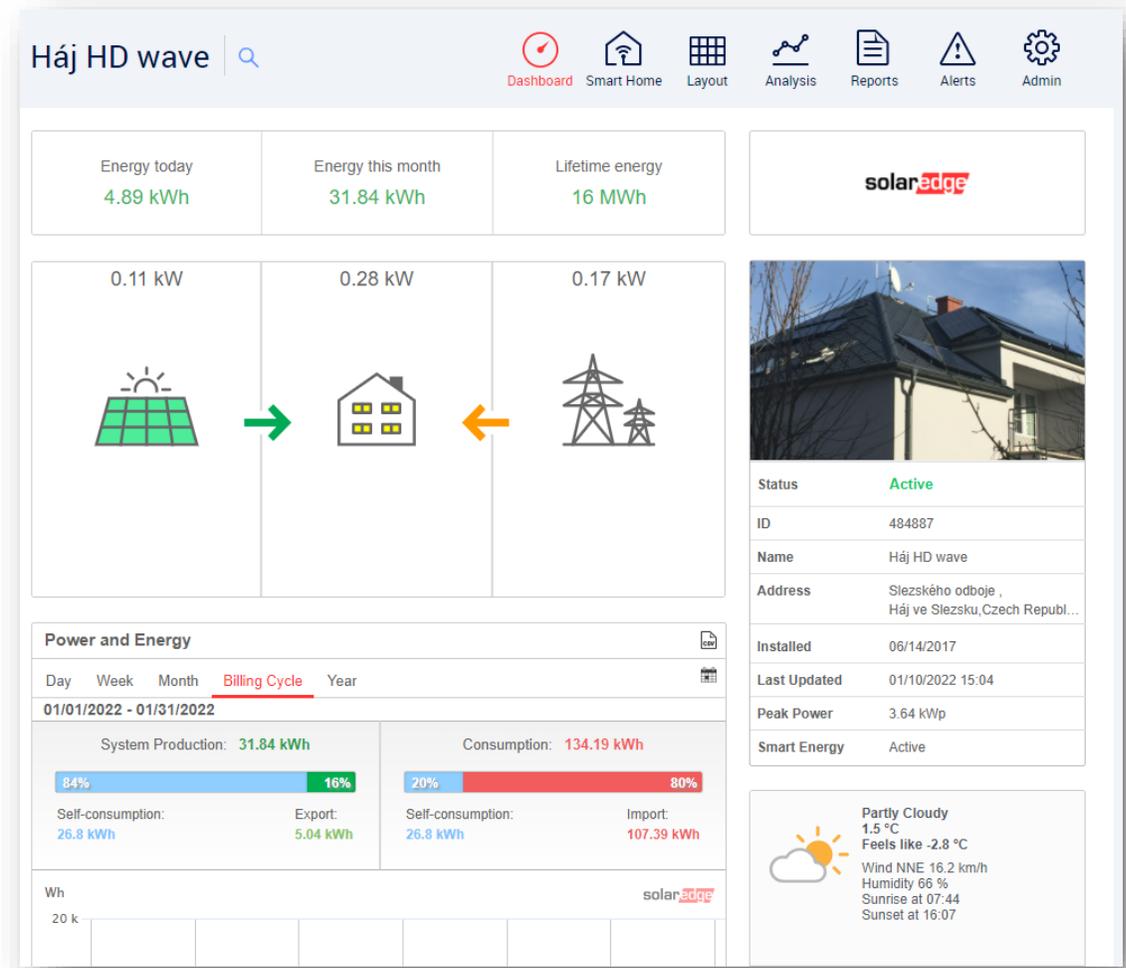
Analysis Module: Accurate Real-Time Data



- Customizable visualization of module-level, string-level and site-level data
- Data is received from sensors and transmitters, which are built into SolarEdge power optimizers, inverters and other devices such as Smart Energy products

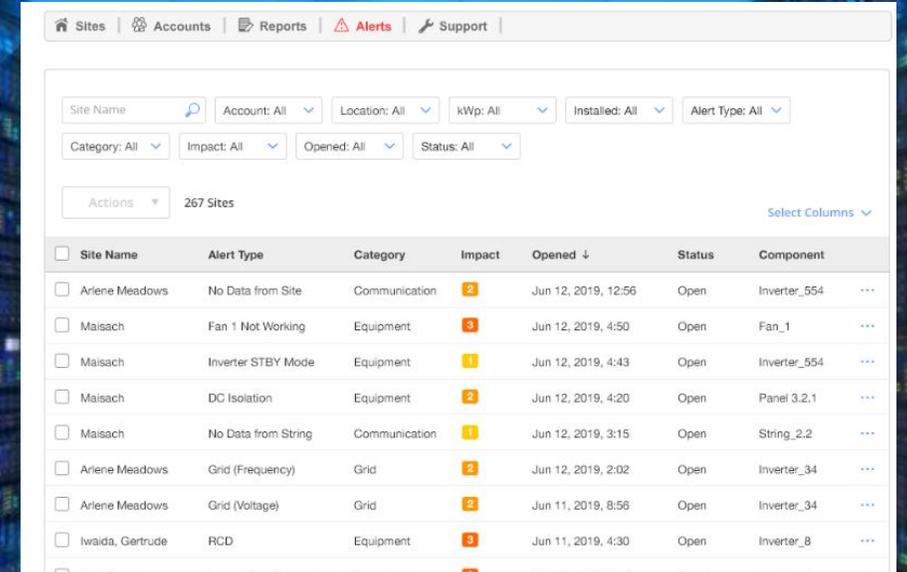
Site Dashboard – Remote Management Capabilities

- View sites' real-time productions and power flows and take actions to remotely manage the PV systems in your fleet
- Understand your sites' performances and key KPIs



Automated Alert Prioritization with Impact Indicator

- Get severity indication
- Prioritize alerts based on their impact
- Prioritize your workflow
- Calculate risk
- Indicate possible energy loss
- Benefit from Troubleshooting Recommendations



The screenshot shows a web application interface for managing alerts. The top navigation bar includes links for Sites, Accounts, Reports, Alerts, and Support. Below the navigation bar, there are several filter dropdowns for Site Name, Account, Location, kWp, Installed, Alert Type, Category, Impact, Opened, and Status. A summary bar indicates '267 Sites' and a 'Select Columns' dropdown. The main content is a table with the following columns: Site Name, Alert Type, Category, Impact, Opened, Status, and Component. The Impact column uses colored indicators (1, 2, 3) to show severity.

<input type="checkbox"/>	Site Name	Alert Type	Category	Impact	Opened ↓	Status	Component	
<input type="checkbox"/>	Arlene Meadows	No Data from Site	Communication	2	Jun 12, 2019, 12:56	Open	Inverter_554	...
<input type="checkbox"/>	Maisach	Fan 1 Not Working	Equipment	3	Jun 12, 2019, 4:50	Open	Fan_1	...
<input type="checkbox"/>	Maisach	Inverter STBY Mode	Equipment	1	Jun 12, 2019, 4:43	Open	Inverter_554	...
<input type="checkbox"/>	Maisach	DC Isolation	Equipment	2	Jun 12, 2019, 4:20	Open	Panel 3.2.1	...
<input type="checkbox"/>	Maisach	No Data from String	Communication	1	Jun 12, 2019, 3:15	Open	String_2.2	...
<input type="checkbox"/>	Arlene Meadows	Grid (Frequency)	Grid	2	Jun 12, 2019, 2:02	Open	Inverter_34	...
<input type="checkbox"/>	Arlene Meadows	Grid (Voltage)	Grid	2	Jun 11, 2019, 8:56	Open	Inverter_34	...
<input type="checkbox"/>	Iwaida, Gertrude	RCD	Equipment	3	Jun 11, 2019, 4:30	Open	Inverter_8	...

Free access for 25 years



Access the Monitoring Platform as a complimentary service to the SolarEdge system for 25 years, from any device, at any time.

Why should you prepare the Monitoring Site before installation?



Save time in the field

If you prepared a physical layout of the site in advance (exporting from Designer is preferred), you don't need to create it while onsite. All that's left to do is to scan the QR codes displayed on the power optimizers and inverter.



Validate system performance right after installation

Once all the devices and components of the system are connected onsite, the Monitoring Platform immediately starts tracking the PV system.



Monitoring Live Session

Recent Improvements in the Monitoring Platform

The image displays two screenshots of the SolarEdge monitoring platform. The top screenshot shows a dashboard for a specific site named 'Meevis Nederweert'. It features a navigation bar with 'Monitoring', 'Sites', 'Alerts', 'Reports', and 'Accounts'. The dashboard includes several key metrics: Energy today (9.3 kWh), Energy this month (333.48 kWh), and Lifetime energy (49.13 MWh). Below these are three smaller panels showing power output: 2.95 kW, 0.76 kW, and 2.19 kW. The bottom screenshot shows a new 'MONITORING' site list view. It features a left-hand filter panel with options for 'Search by site name', 'Group: All', 'Favorites Only', 'Peak Power (kW)' (ranging from 5 to 50,000), 'Highest Alert' (a color-coded bar), 'Location: All', 'Installed: All', 'Status: Active', and 'Account: All'. The main area displays a table of 165 sites with columns for 'HIGHEST ALERT', 'ADDRESS', 'LAST UPDATE', 'ENERGY YESTERDAY (kWh)', 'ENERGY TODAY (kWh)', 'PERFORMANCE THIS MONTH (kWh/kWp)', 'PR LAST MONTH', and 'NOTE'. The table lists various sites such as 'Knox Street 72 Goulburn', '322 Clynderwen', '412 East North Mt Shasta...', 'Porte des MAllets 2...', 'Meevis Nederweert', 'Geheugden 3A', '2 Maui YMCA', '12 Wilderness', 'Alzenau Brand', 'Enersol Boy', 'Impianto fv Alba', 'Alzenau Brand', and 'Enersol Boy'. A pagination bar at the bottom indicates '1-20 of 165 Sites' and '20 / Page'.

New site list and dashboard for more efficient fleet management capabilities:

- Improved UI for better monitoring experience
- Faster and easier filtering experience
- Favorite sites to closely track more important sites
- New map view to identify filtered sites in an interactive view
- Additional resolutions for yield and performance ratio metrics



mySolarEdge

Helping system owners
achieve their energy goals

mySolarEdge General Overview

■ Dedicated monitoring app for SolarEdge residential and commercial system owners

■ Key benefits:



Monitors system performance, anytime, anywhere



Helps maximize electricity savings



Controls smart home devices on-the-go



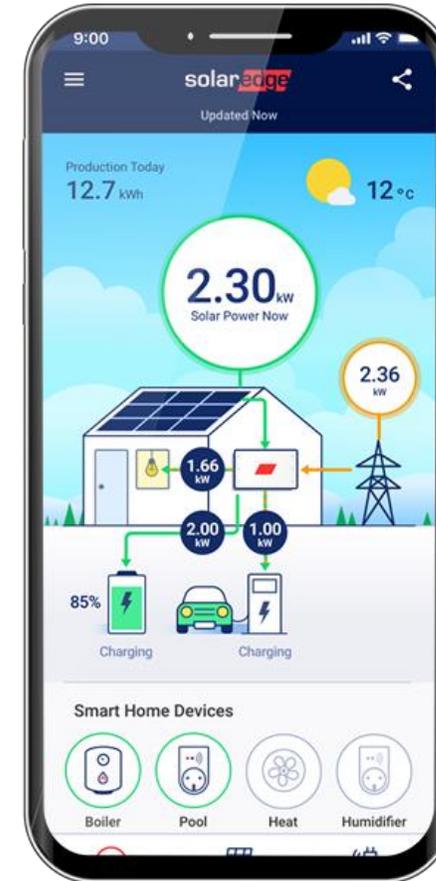
Configures inverter communications



Displays inverter status for quick and easy troubleshooting



Provides quick access to SolarEdge support



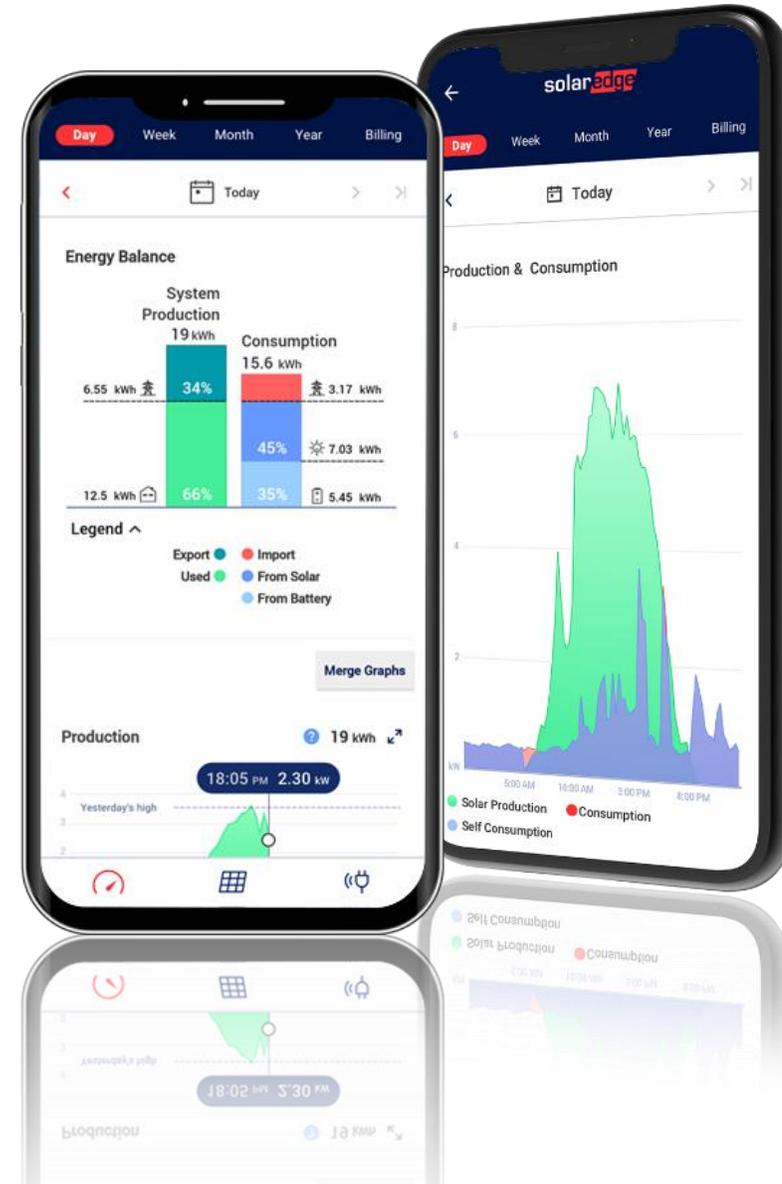
Free download



solar**edge**

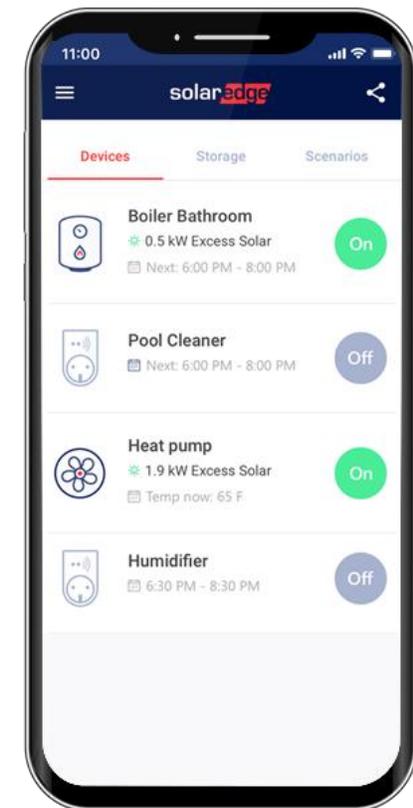
Monitors System Performance, Anytime, Anywhere

- Easy-to-follow charts for comparing energy behavior over time:
 - Production
 - Consumption
 - Grid import and export
 - Battery
- Improved tools to compare daily production and consumption with previous days, using today's/yesterday's max. levels as a benchmark



Controls Smart Home Devices On-the-Go

- Remotely monitor and control the storage battery, EV charging, or any home appliances connected to SolarEdge Smart Energy devices
- Set smart schedules for added convenience and maximized energy savings



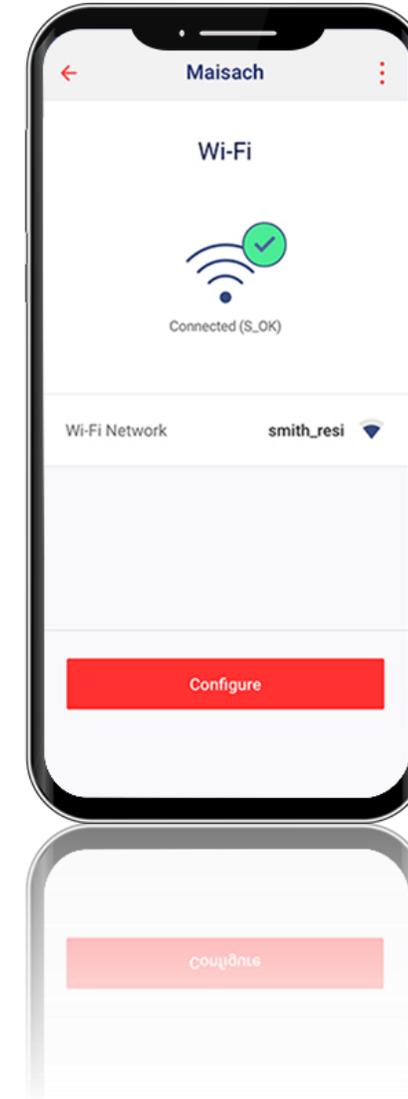
Installer Benefits

- ▀ Saves time on unnecessary visits and potential truck-roll costs
- ▀ Enables quicker remote service
- ▀ Improves customer satisfaction



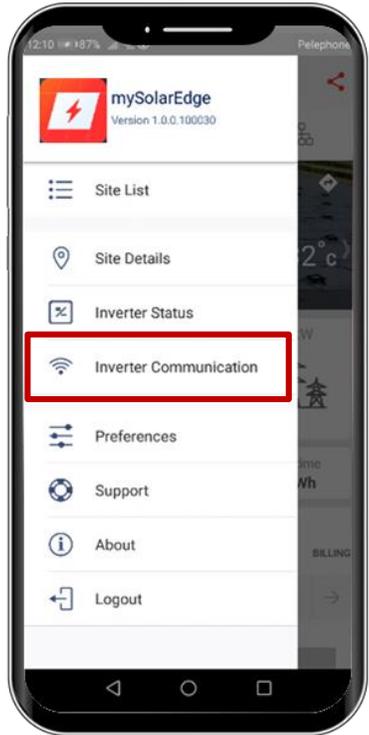
Configures Inverter Communications

- Connect the inverter to a Wi-Fi router
- Change Wi-Fi passwords without the need for an installer
- View connection status and basic information (e.g. the name of the Wi-Fi network, signal strength)

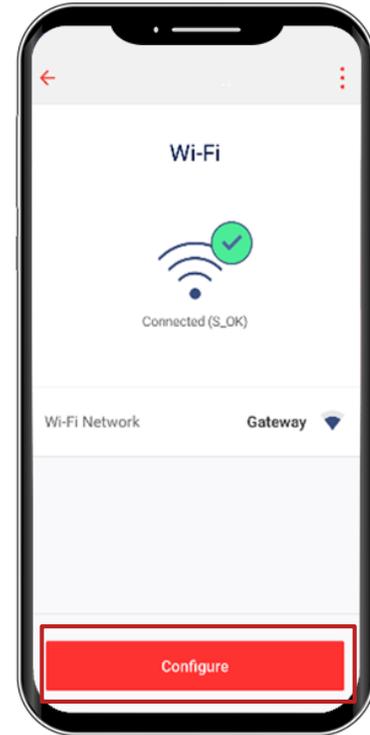


Sample Communications Screens

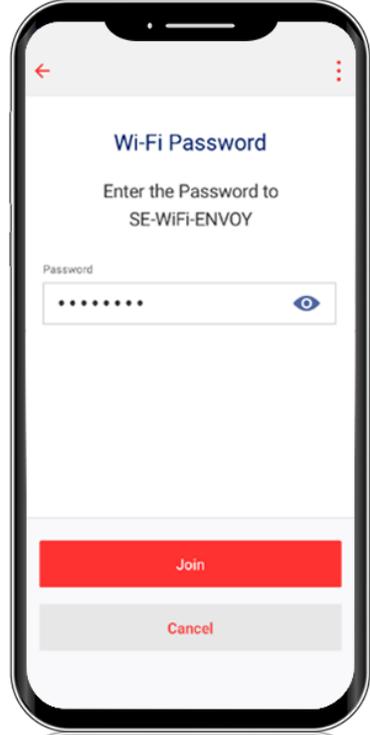
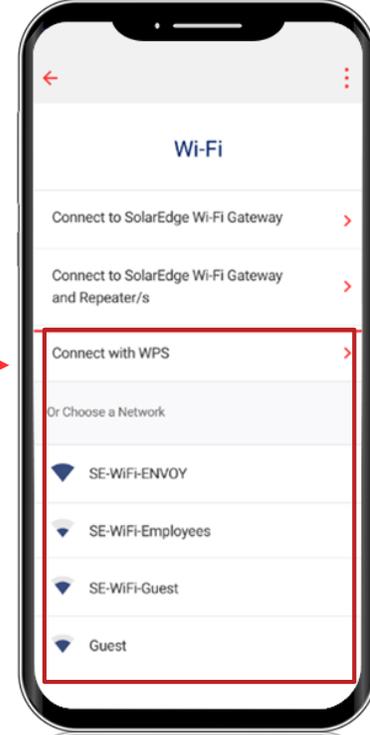
Menu Selection



Configure

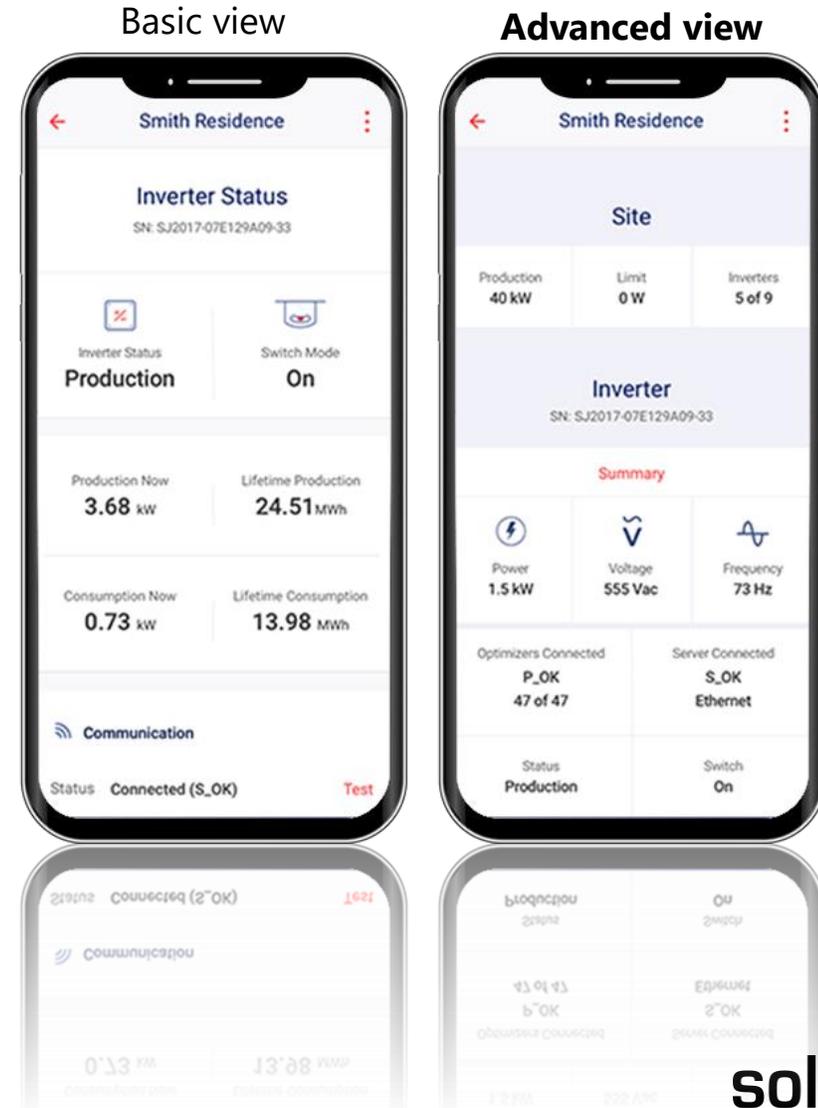


Change Wi-Fi Settings



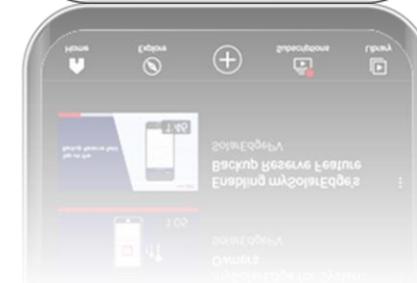
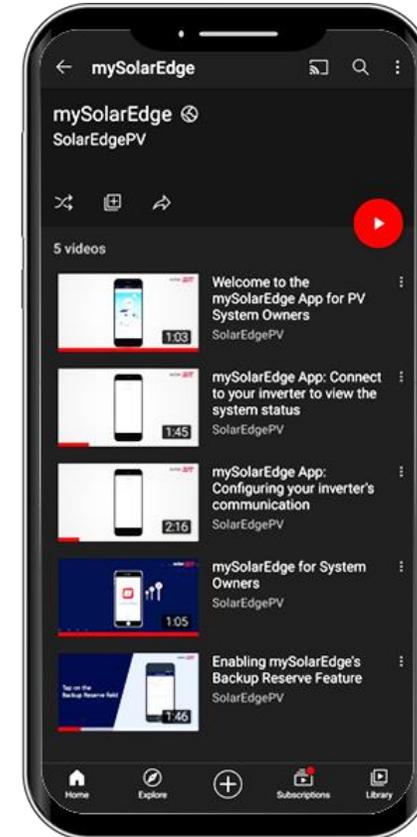
Displays Inverter Status for Quick and Easy Troubleshooting

- Simplifies service and enables remote support
- Connects directly to the inverter's access point
 - Fully secured: requires user proximity to inverter and moving switch
 - Non-monitored sites can also view inverter status
 - Done via self-download & registration to mySolarEdge



mySolarEdge YouTube Playlist

- /// Achieving your energy goals with mySolarEdge **NEW**
- /// Optimizing your system performance using mySolarEdge **NEW**
- /// Maximizing your electricity savings using mySolarEdge **NEW**
- /// mySolarEdge overview and first log-In
- /// Checking the inverter status using mySolarEdge
- /// Configuring the inverter communication
- /// mySolarEdge for System Owners





Questions?



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From end of March till June
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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.