



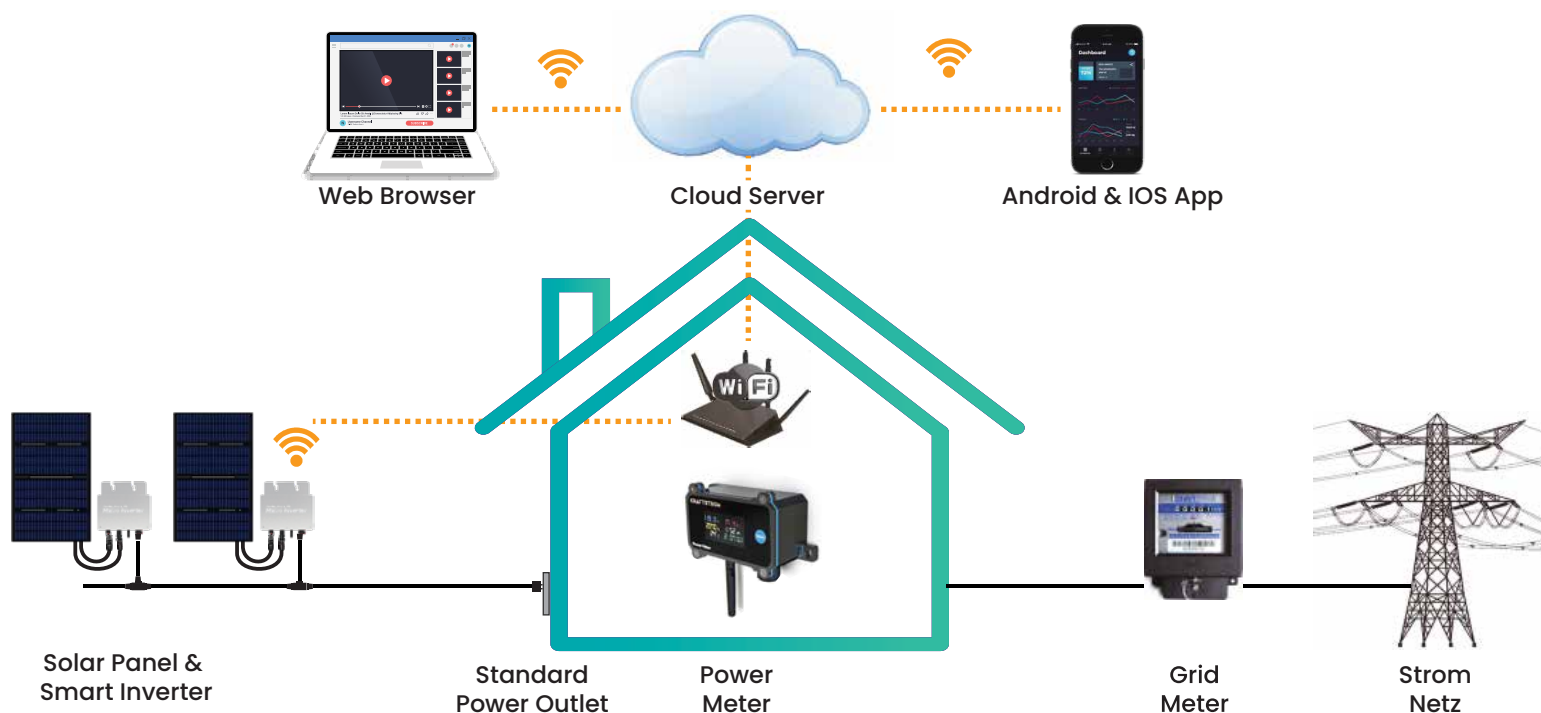
## SMART INVERTER Model: Hedy

certified to UL STD. 1741  
certified to CSA STD. C22.2 No 1071  
Certified to IEEE STD. 1547. 1547. 1 & 1547. A



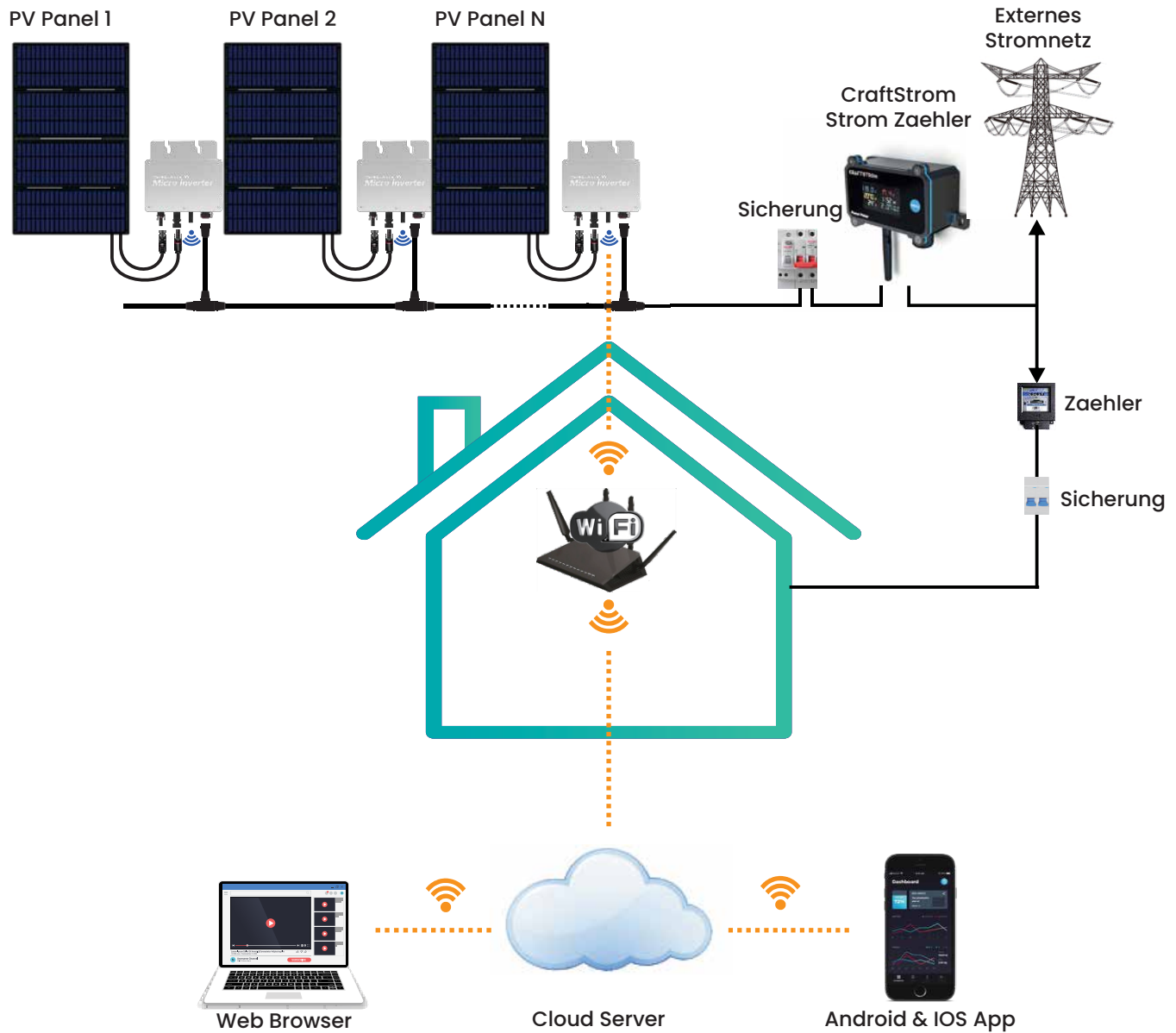
# CRAFTSTROM SMART INVERTER HEDY

Model	Hedy		
Maximum input power	350 Watt		
Output voltage mode	120/230V auto switch		
PV open circuit voltage	60 – 100 VOC		
Operating voltage range	55 – 100 V		
MPPT range DC	65 – 100 V		
short circuit current	7A		
maximum working current	6.3A		
Output parameters	@120V	@230V	@240V
Output peak power	350 Watt	300Watt	350watt
Rated output power	350 Watt	300Watt	350watt
Output current	2.91 A	1.14A	1.52A
AC voltage range	80-160VAC	180-280VAC	180-280VAC
AC frequency range	48-51 Hz/58-61 Hz	48-51 Hz/58-61 Hz	48-51 Hz/58-61 Hz
Power factor	>95%	>95%	>95%
Number of branch connections	30 pcs (single)	30 pcs (single)	30 pcs (single)
Output efficiency	@120V	@230V	@240V
Static MPPT efficiency	99.5%	99.5%	99.5%
Max output efficiency	99%	99%	99%
Loss of power at night	<0.5W	<0.5W	<0.5W
Total current harmonics	5%	5%	5%
Appearance and technical features			
Temperature range	- 20°C to + 50°C		
Dimensions(LxWxH)	165mm x 176mm x 38mm		
Net weight	0.82kg		
Enclosure rating	NEMA3R		
Heat dissipation mode	Self-cooling		
Communication mode	Wifi		
Powertransmission mode	Reverse transmission, Load priority		
Monitoring system	Mobile phone App, Browser		
Electromagnetic compatibility	EN 5008.1 PartI EN 5008.2 PartI CSAS TD.C22.2.No.107.1		
Power grid	EN 61000-3-2 EN 62109 UL STD 1741		
Power grid detection	DIN VDE 4105, IEEE STD 1547 1547.1 and 1547.A		
Certification	FCC, CE, ETL		
Packing Weight			
Specifications	Each (Packaging)	Box(15Pcs)	
Weight	1.28kg	19.2kg	
Size	245 x 202 x 60 mm	450 x 395 x 345 mm	



# Diagram 240Volt – Europe (Not Plug& Play)

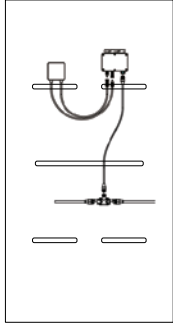
Max 10 CraftStrom Smart Inverter with Daisy chain cables



# Installation of the Micro Inverters

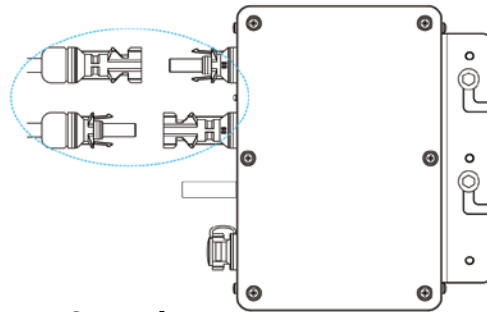
## Step 1

Mount the Inverters in a dry area underneath the panel with the ports facing downward to avoid water damage.



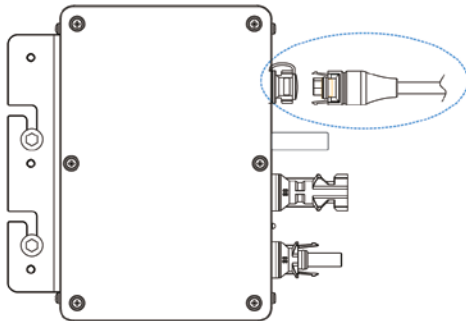
## Step 2

Connect both MC4 connectors to the mc4 connectors on the inverter.



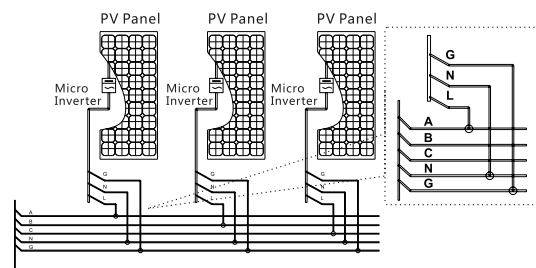
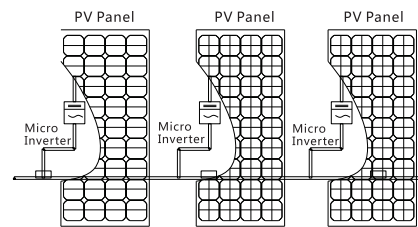
## Step 3

Open the Cap covering the AC port and attach AC cable.



## Step 4

In case you have more than 1 panel you have the option of daisy chaining the inverters on the AC port side..



## Step 5

Plug the AC cord into outdoor socket. IN the USA please use the Safety Gate Adapter that is part of your Product kit!

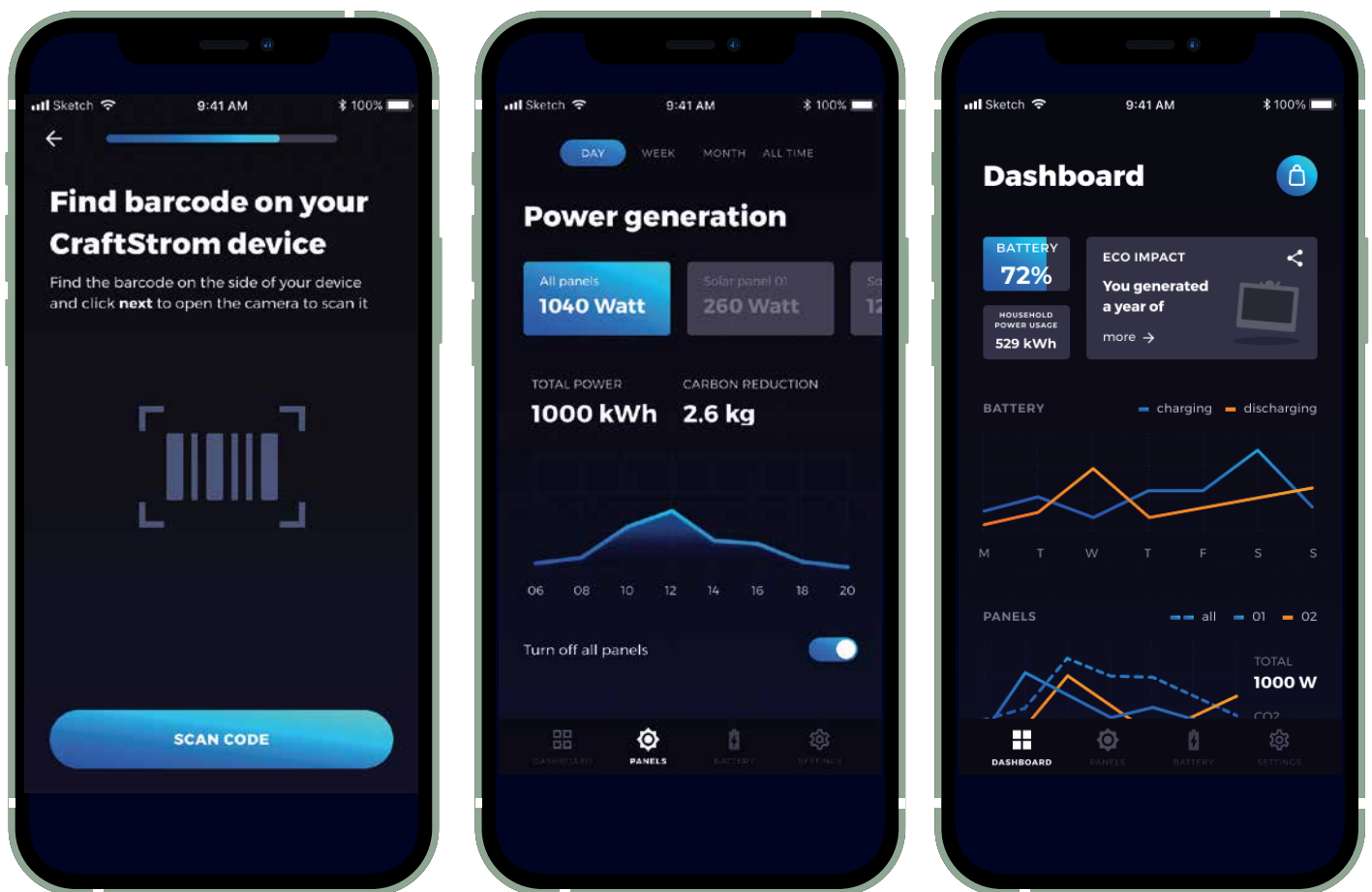
## Schritt 6

Download the CrafStrom App, create an account and password and follow setup new device in settings.



# Download Craftstrom App and Set Up Devices

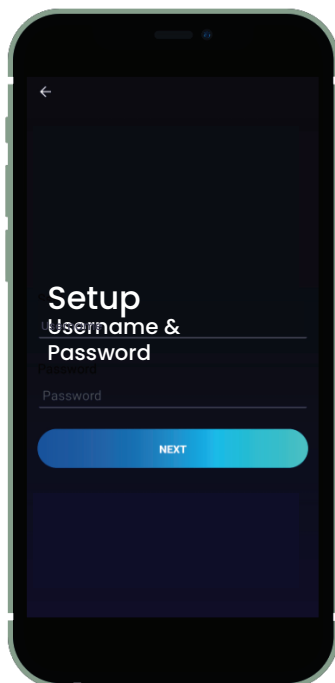
The CraftStrom app is free and allows you to monitor your devices & management of production vs. storage. But the app can do so much more... Monitor devices and your success. Check your monthly electricity bill – simply compare the readings of our electricity meters in “kWh”. “kWh” stated on the electricity bill. Share your success with your Friends on Social Media See how your efforts are helping the environment.



# Download Craftstrom App and Set Up Devices

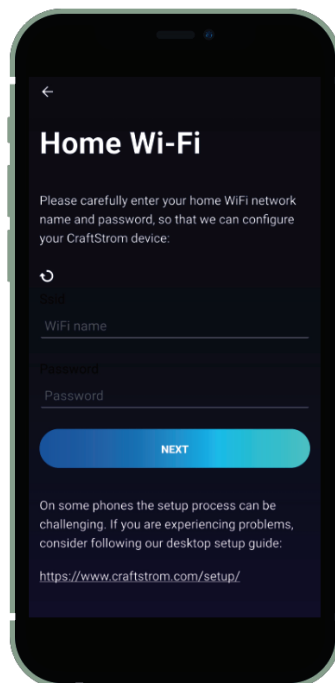
## Step 1

Create username and Password



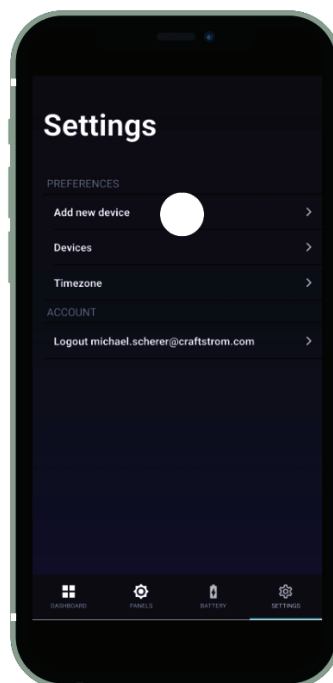
## Step 2

Pick your home wifi using a 2,4 Ghz signal and enter password.



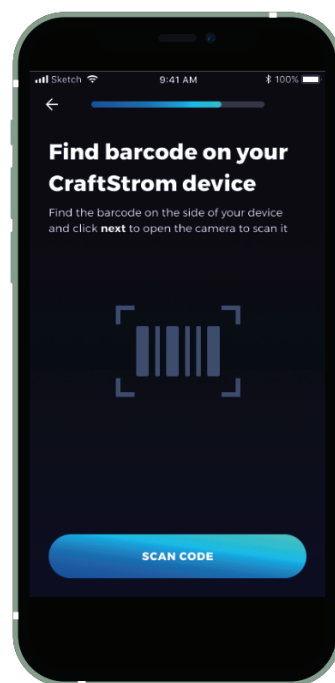
## Step 3

Go to settings and select setup new device!  
Pick the product you wish to register:  
Solar Panel & Inverter



## Step 4

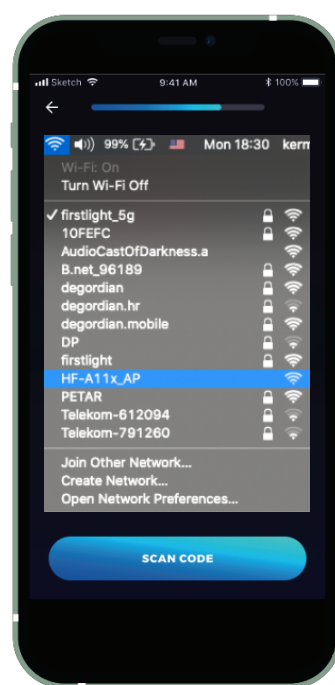
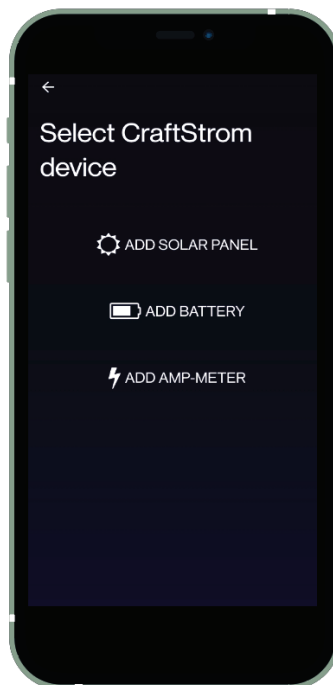
Scan barcode and connect to the inverter wifi signal when prompted.  
HF-A11x

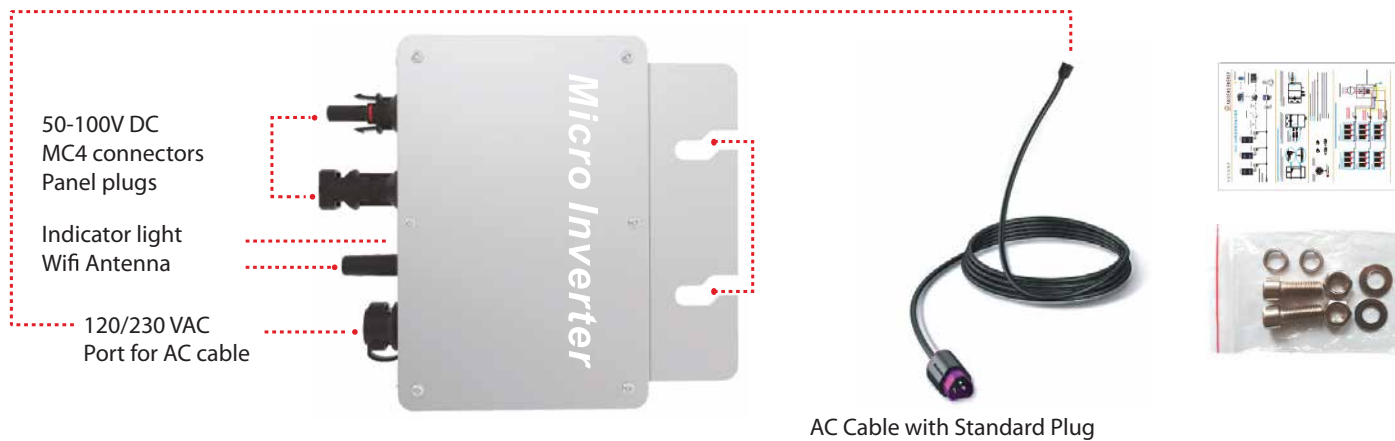


After picking the inverter name and getting a **success** page, you will have to log back into your home wifi in order for the App to show your data.

Keep repeating this process with each inverter. If the inverter does not show up on the panels page, showing the ID number on top, then go back into Settings -Devices delete the ID number of inverter you just tried to install and repeat installation..

you can also set it up via laptop at <https://craftstrom.com/support/setup/>





**Note: You can purchase a professionally customized AC bus with a T-connector also called Daisy Chain Cable on our website. [www.craftstrom.com](http://www.craftstrom.com)**  
**Use this AC bus as the AC bus for each branch. Join these hand in hand, to create a modular micro-inverter wiring system that comes in a Euro plug results!**

## LED DISPLAY FUNCTION OF MICRO INVERTER

1. Red light is on - The microinverter is on, the red light is on and the device is ready to use
2. Red light - The microinverter is fully prepared and enters the delayed start state
3. Blinking Blue - MPPTMaximum Power Point Search Status
4. Blue light is on - MPPTMaximum Power Point locked state
5. The blue light turns red - a. island protection; B. Frequency protection; C. AC over/under voltage protection

Normal working indicator process:

Connect the microinverter to the AC and DC terminals, then turn on the power the red light will turn on Light up for 3 seconds, then the red light will flash for 30 seconds, the blue light will flash quickly (MPPT maximum power point search). The blue light is on (MPPT lock) - ready to use and communicate...

**It may take a few minutes for the data to appear for the first time.**

### Reset function:

If you encounter a problem with your WiFi connection while setting up the inverter, you can press the reset button on the inverter, but this should only be done in emergencies. This changes the name of the wifi access point, so please don't get confused. It does not affect the inverter.

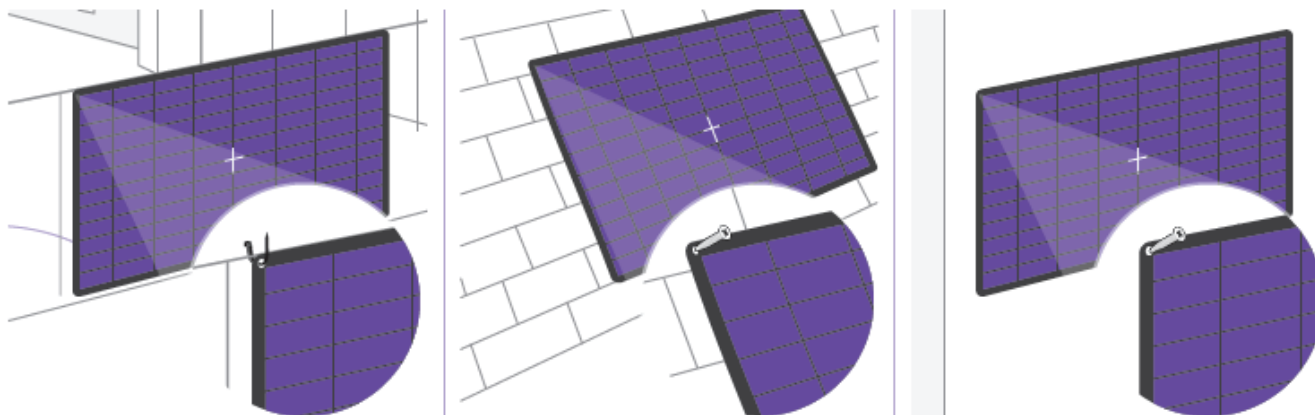
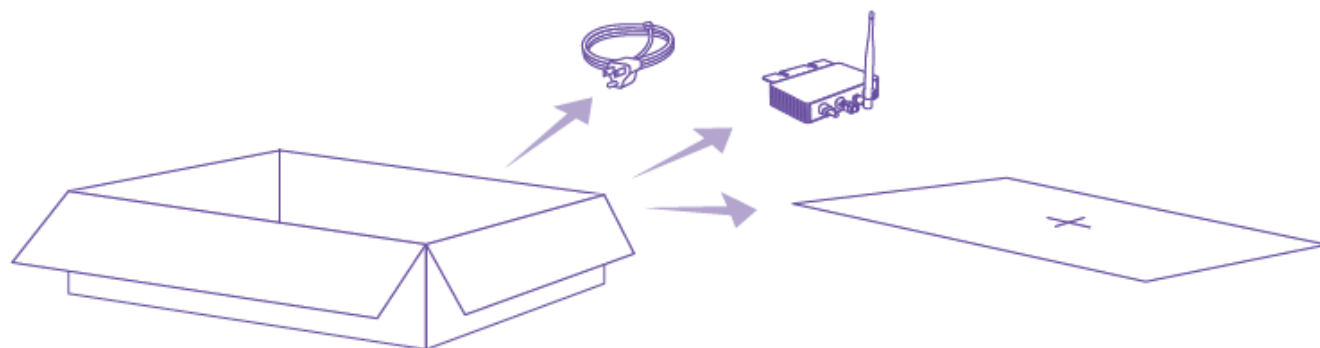
To trigger a rest/reboot hold the button for **5 seconds, release for 2 seconds, then hold again for 5 seconds.**

# 5-2-5



# PLUG & PLAY SOLARPANEL- INSTALLATION

I. Take out the solar panel, inverter and AC cable carefully from the box



Sie koennen unser Panel an einen Balkon mit Kabelbindern montieren. Alle Ösen verwenden, und das Panel am Balkongeländer, oben und unten, waagrecht anbringen.

## 2. Mounting of the CraftStrom Solar Panel

You can mount our panel on a balcony with cable ties. All eyelets need to be strapped down to assure a solid connection. Panel way not move when windy to assure product warranty,

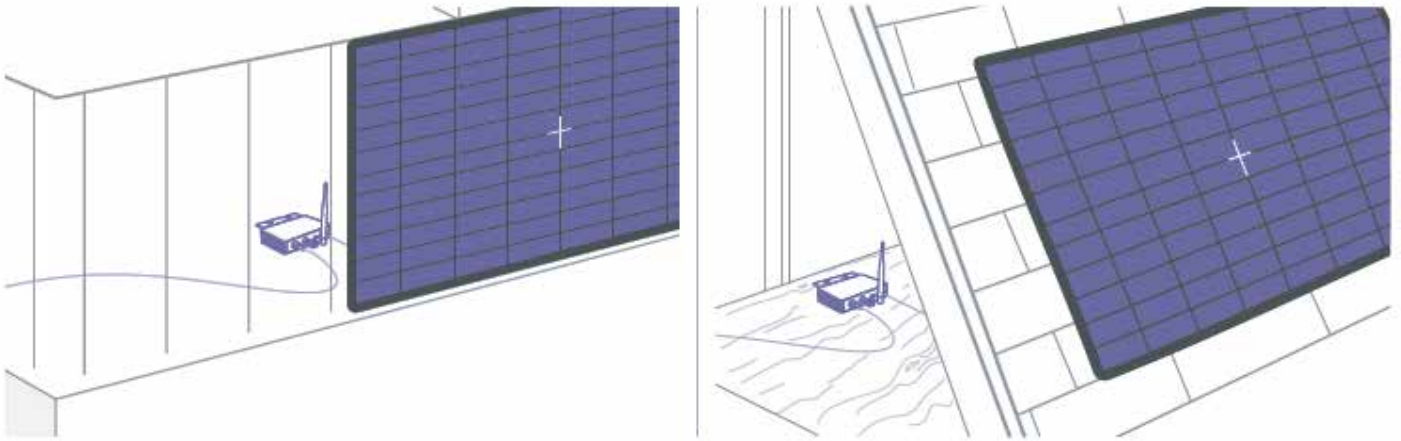
Our panels can also be screwed to the roof. Again, use all eyelets to attach. Use shims. Seal holes against possible water penetration!

Or Simply screw to the house wall with screws. Use all eyelets and washers

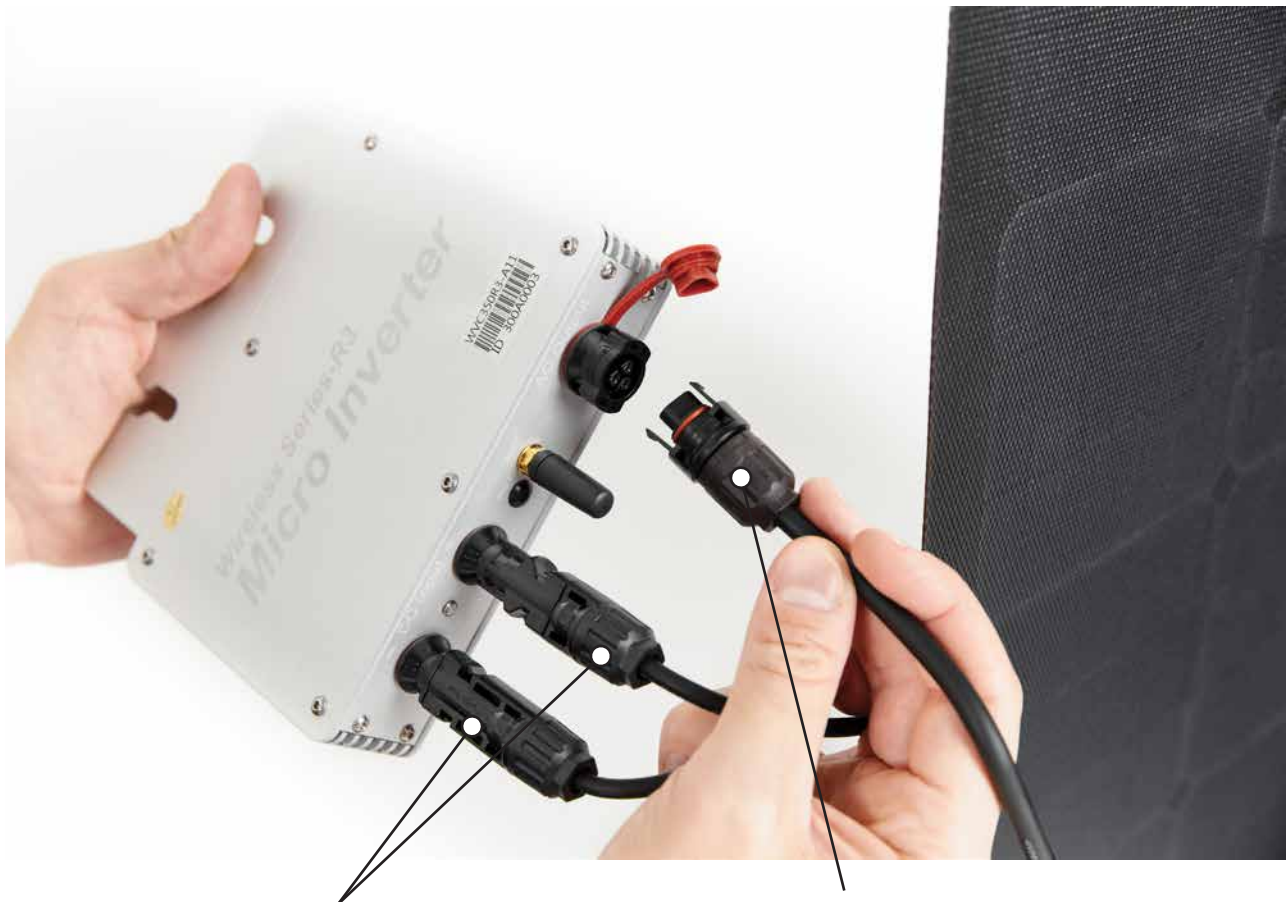
We offer a sleek aluminum stand that lets you tilt the panel and offers a maximum of support



## Inverter/Panel Installation



**Install inverter in the shade and protect from rain!**



MC4 Connectors coming from panel

AC or Daisy-chain cable

### Connection of the inverter

1. Connect the MC4 cables coming form the Panel to Inverter
2. Connect the AC cable or Daisy chain cable to the inverter
3. Connect the AC cord plug to the power outlet
4. Register Inverter in App