

A photograph of a woman and a young girl walking away from the camera on a dirt path. The woman has long red hair and is wearing a black top and a pink pleated skirt. The girl has blonde hair and is wearing a dark top and a white lace skirt. They are holding hands. The path is surrounded by tall grass and trees, with sunlight filtering through the leaves.

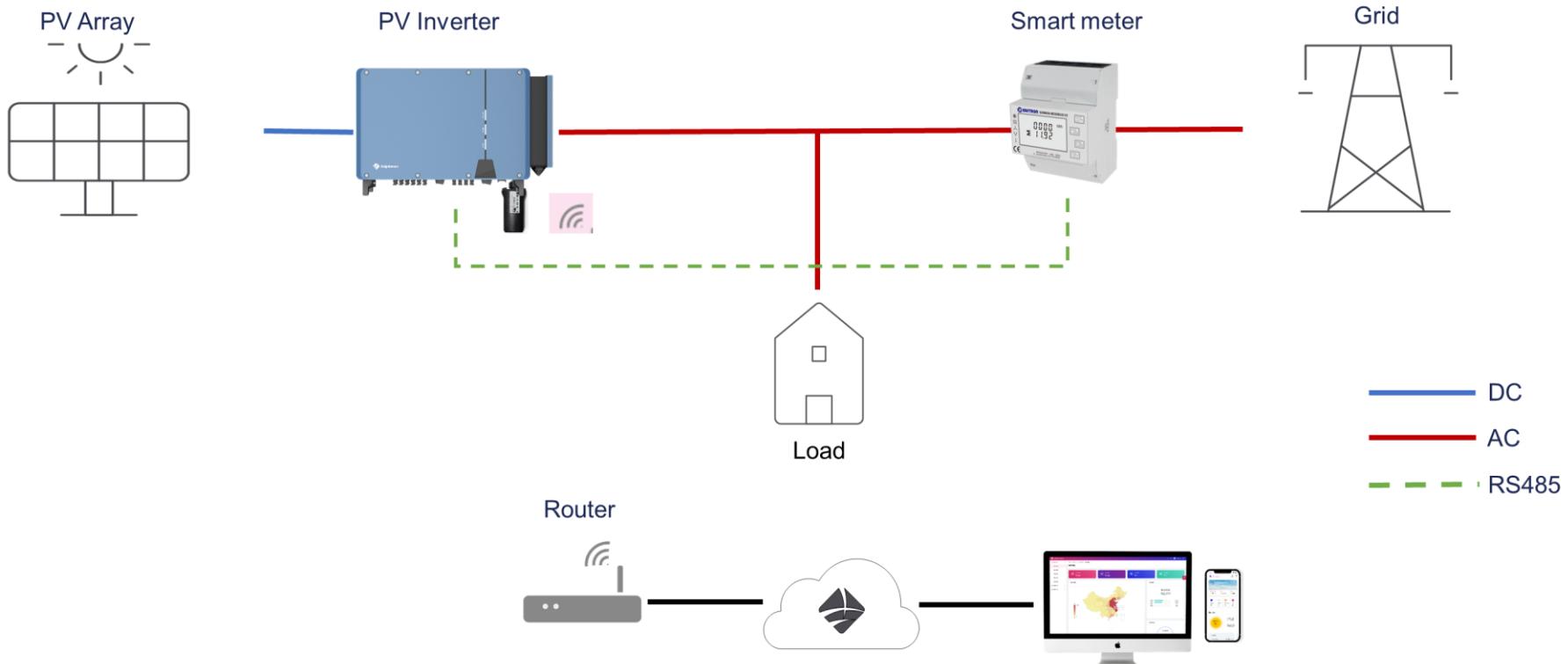
Export control with Eastron Meter  
**Solar for everybody**



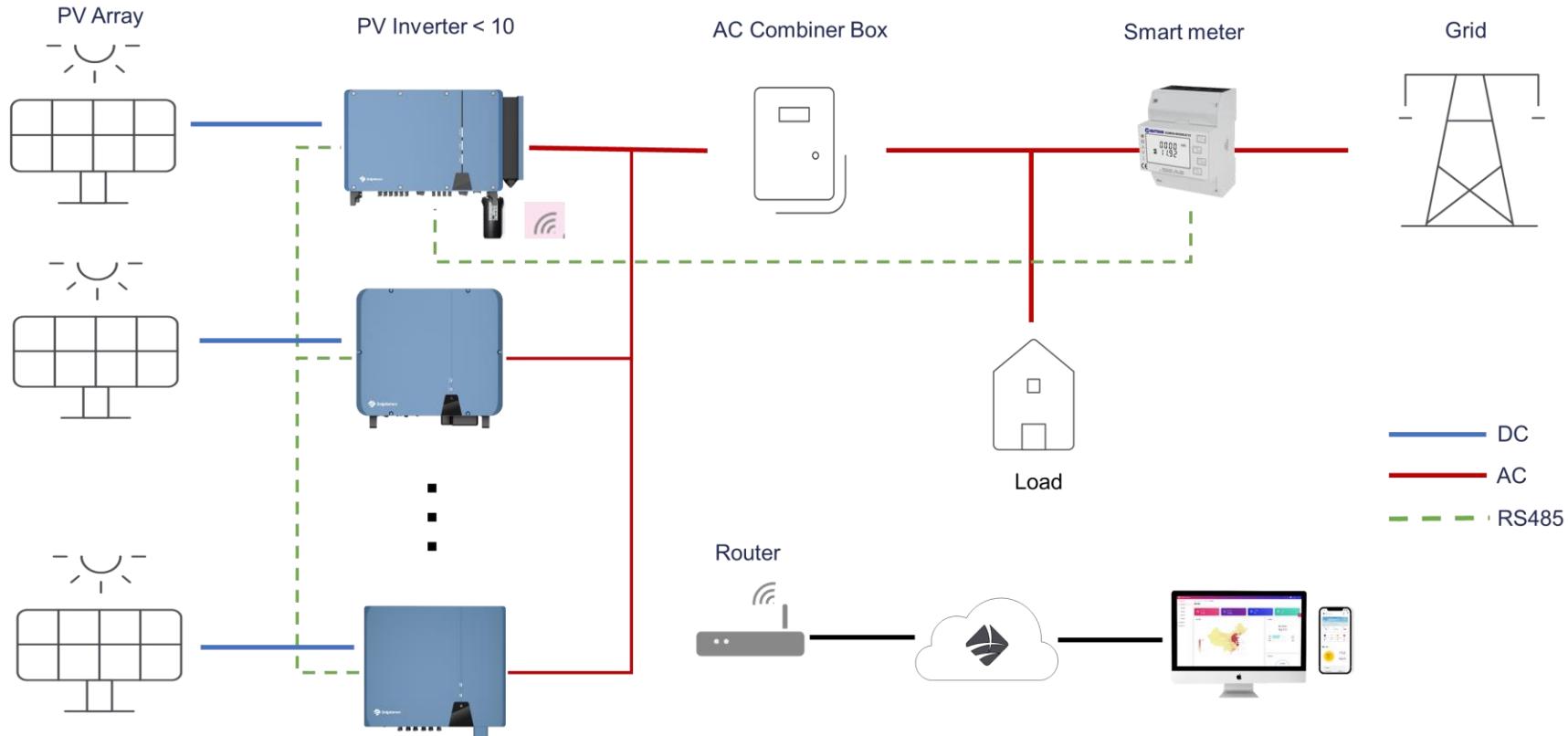
# System and Wiring Diagram



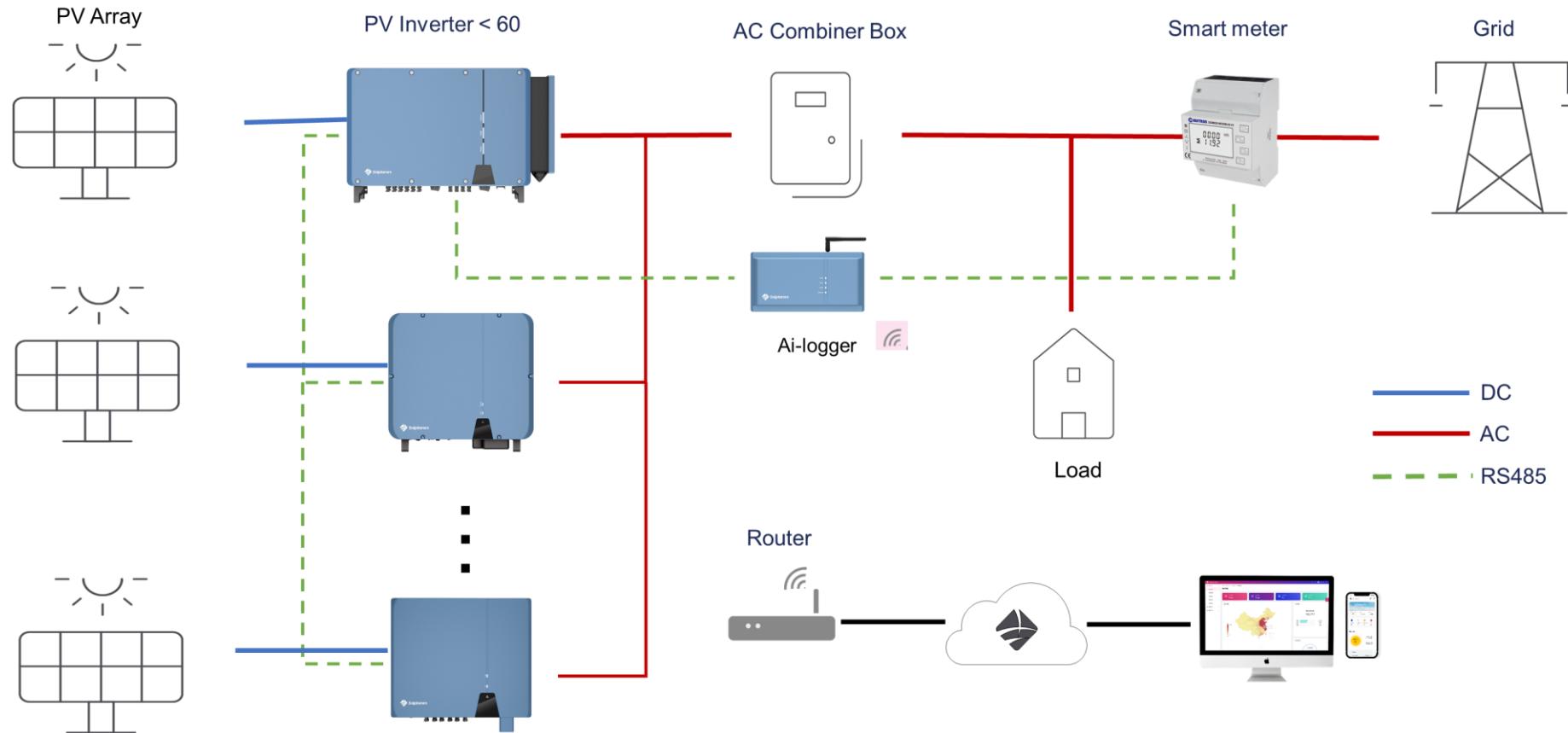
# Single inverter export control



# Multi-inverter export control (<10pcs)



# Multi-inverter export control (>10pcs)



One Ai-logger can support up to 80 inverters

## Meter Model:

Single phase: SDM230 / SDM120CT

Three phases(Current <100A): SDM630

Three phases (current >100A): SDM630MCT

For 60hz grid, select non-MID smart meter

# Single Phase System



## Single phase inverter:

ASW 3-5K S  
ASW 3-6K S –G2  
ASW 5-10K S-A  
ASW 3-6K H-S2

## Single phase smart meter:

SDM230  
SDM120CT + ESCT16(120A/40mA)



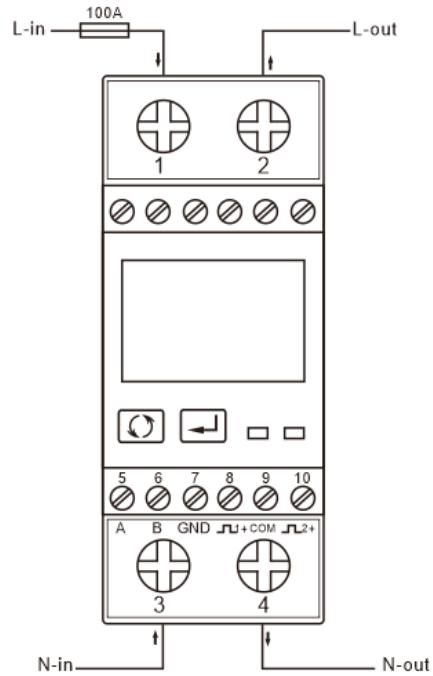
SDM230



SDM120CT+ESCT16

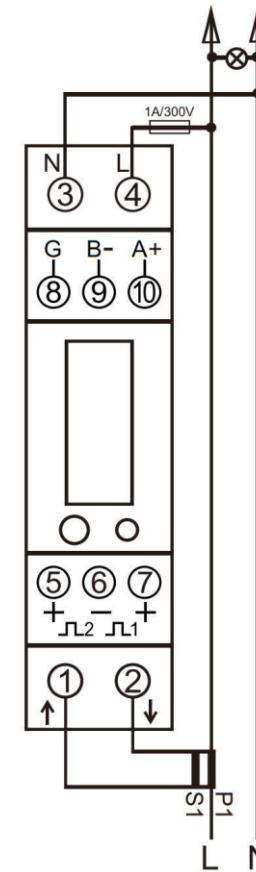
Meter data cable wiring varies based on inverter models

## SDM230 Power cable



**1&3:** Connect to grid  
**2&4:** Connect to load

## SDM120CT Power cable and CT

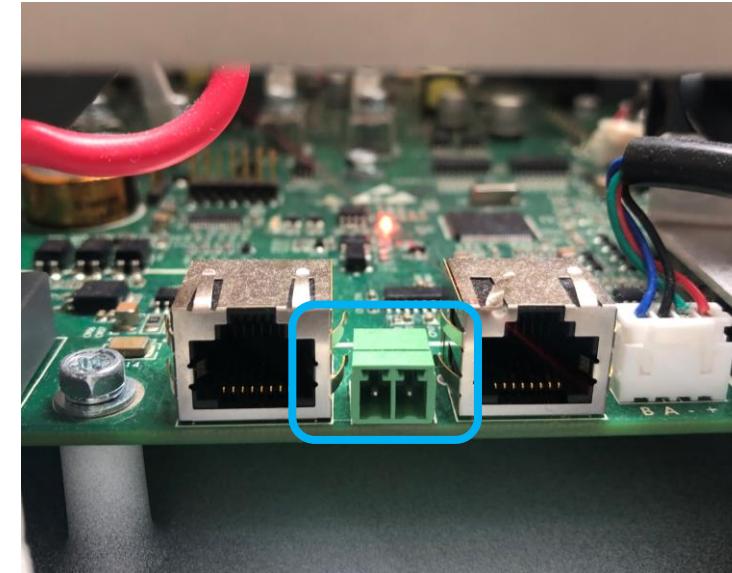
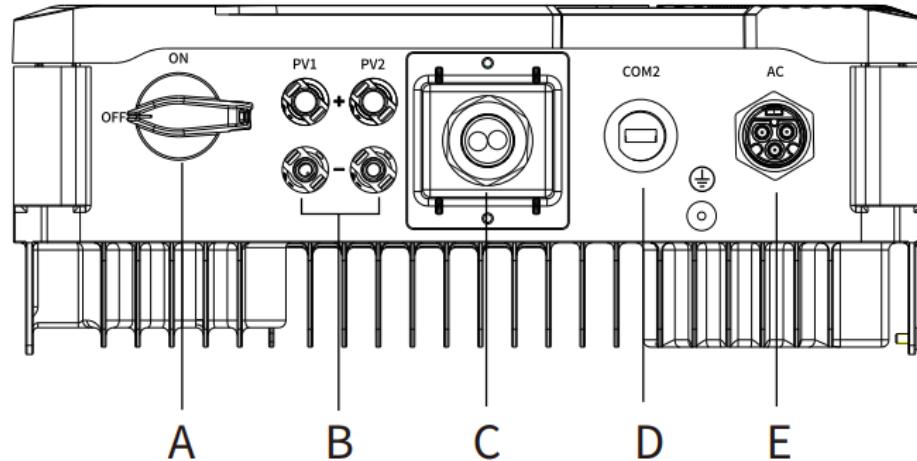


ASW 3-5K S

Meter port C

Left: A

Right: B

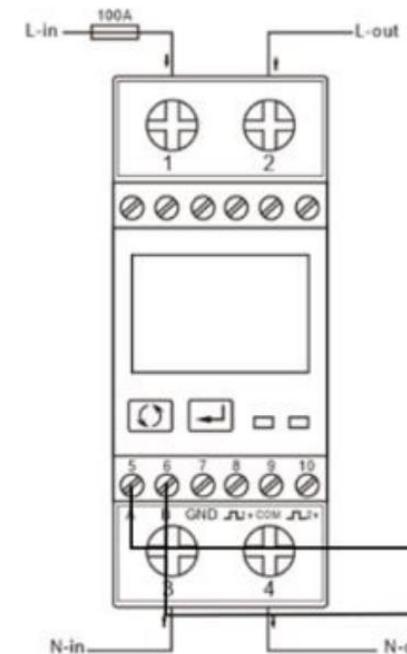
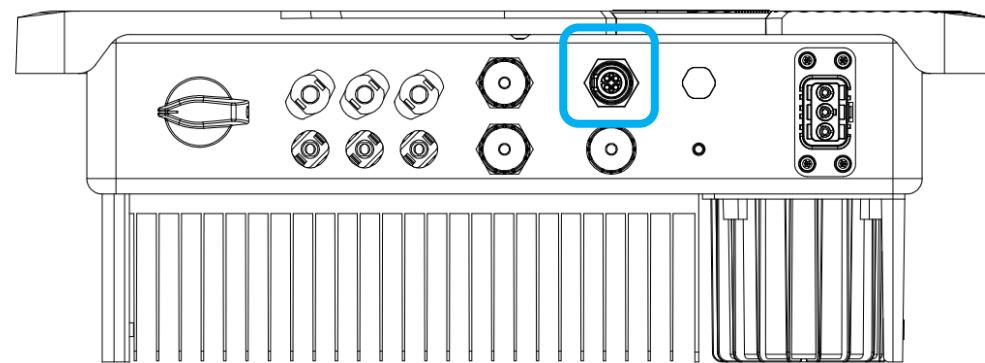


ASW 3-6K S-G2 / ASW 5-10K S-A

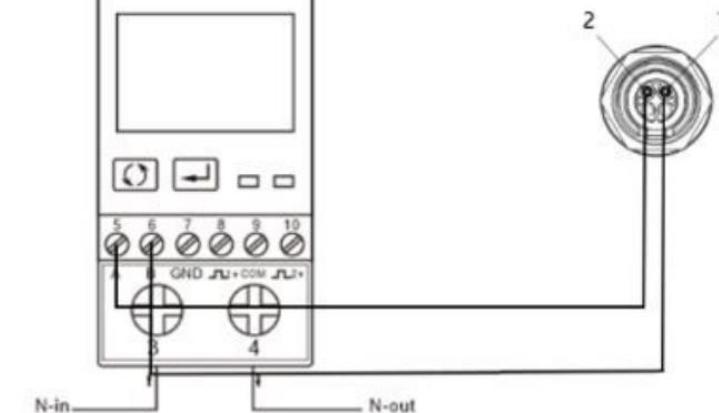
Inverter COM3

Pin2: A

Pin1: B



Inverter-meter  
connector

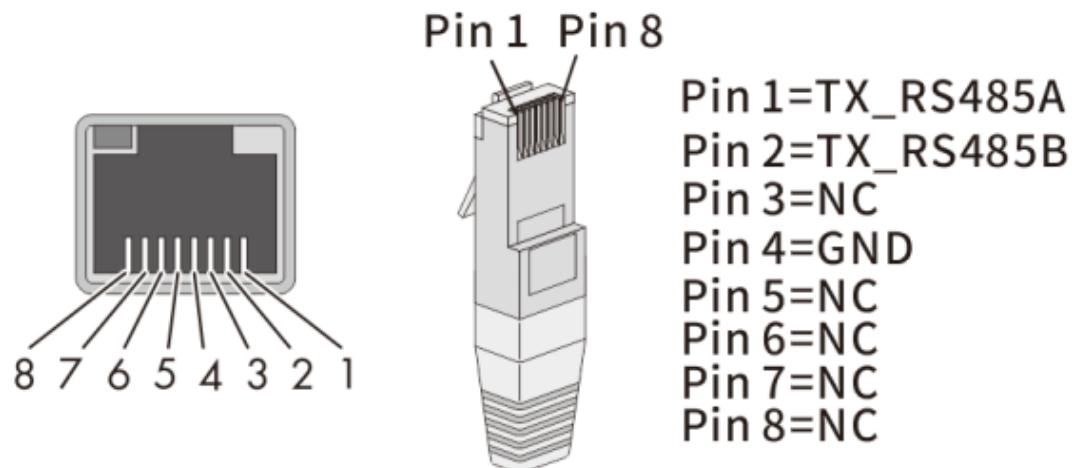
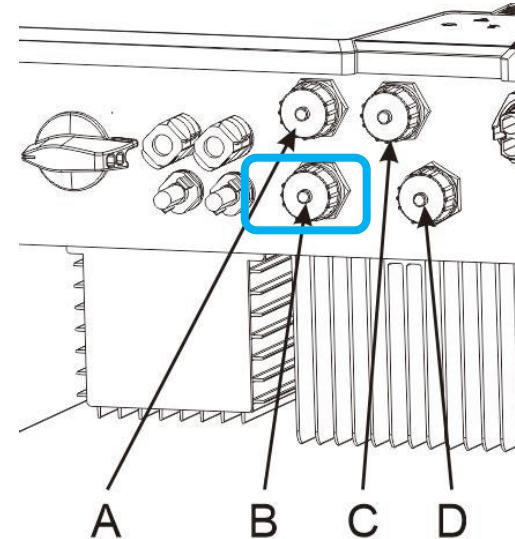


## ASW 3-6K H-S2

Inverter meter port (B)

Pin1: A

Pin2: B



# Three Phase System



## Three phase inverter:

ASW 3-20K LT-G2-A

ASW 25-40K LT-G3

ASW 45-60K LT-G3

ASW 75-110K

## Three phase smart meter:

SDM630

SDM630MCT



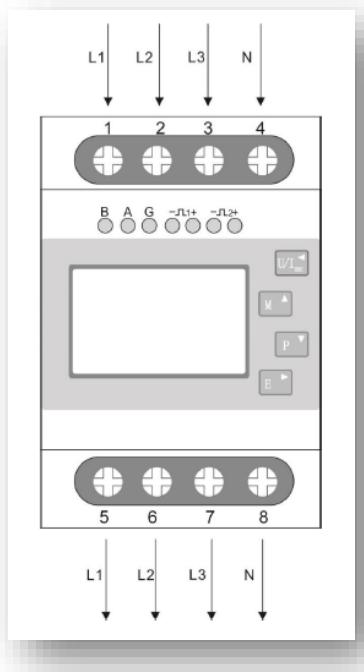
SDM630



SDM630MCT

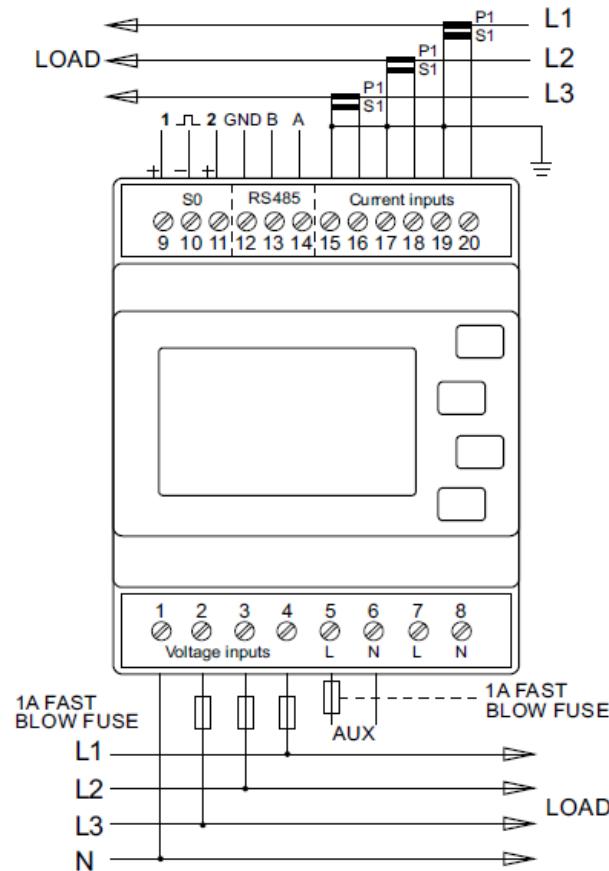
Meter data cable wiring varies based on inverter models

## SDM630 power cable



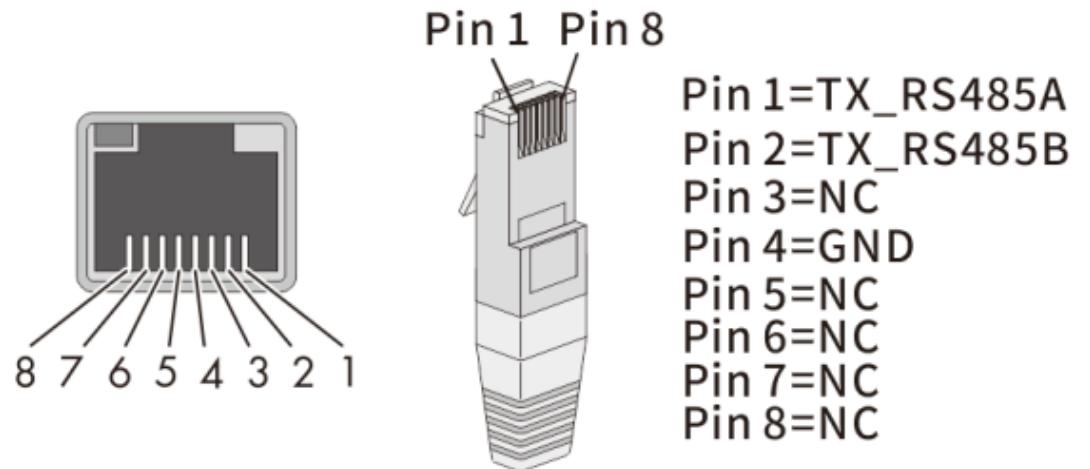
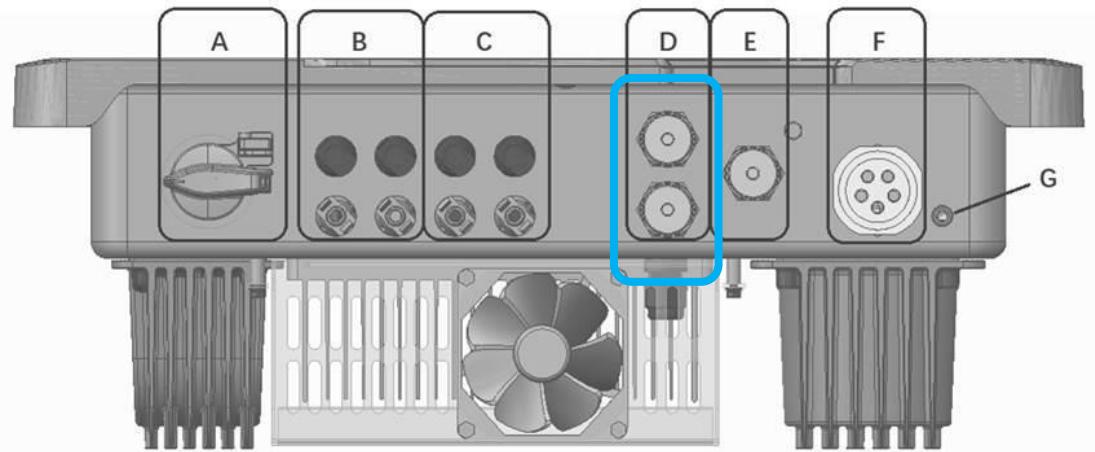
1234:connect to grid  
 5678:connect to inverter

## SDM630MCT Power cable and CT

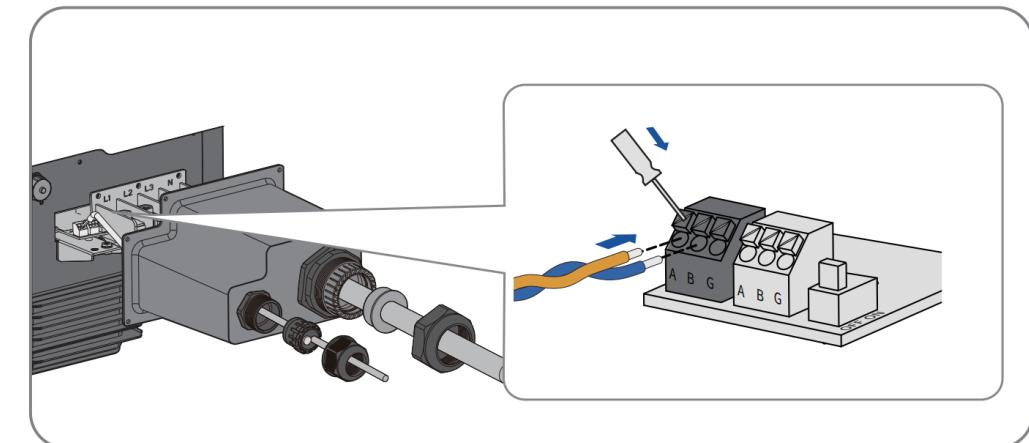
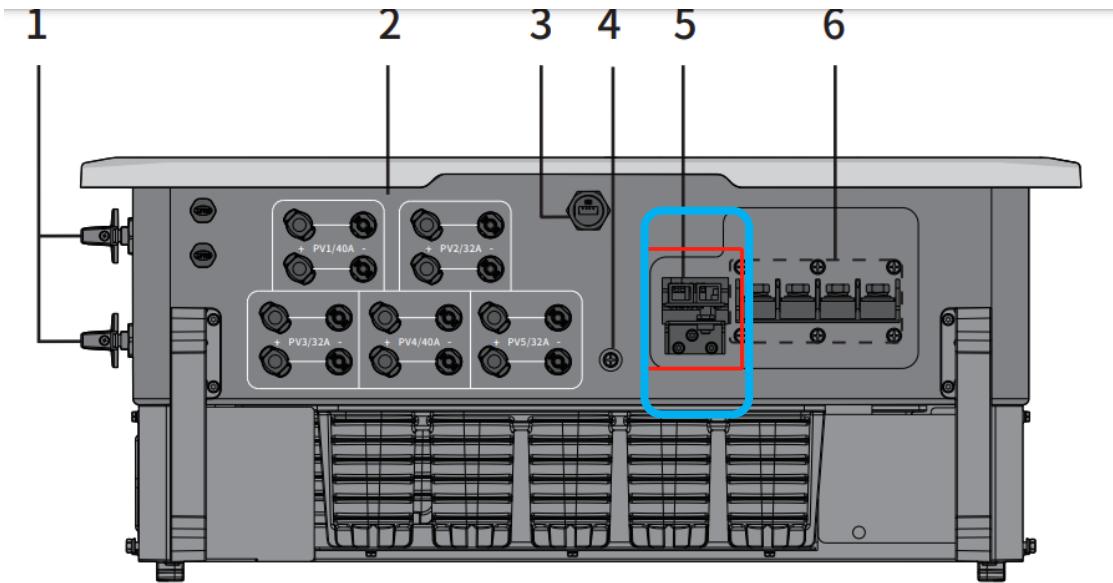


ASW 3-20K LT-G-A  
ASW 25-40K LT-G3

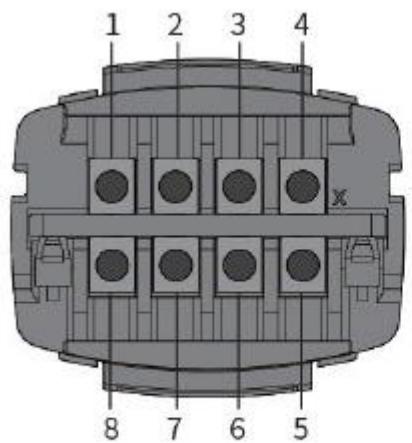
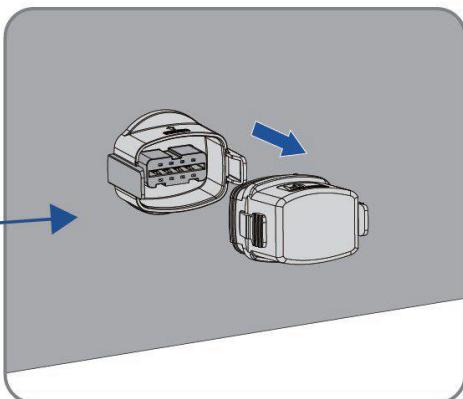
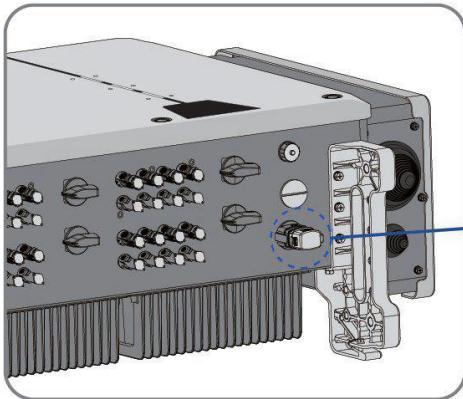
Inverter COM1/COM2  
Pin1: A  
Pin2: B



## ASW 45-60K LT-G3



## ASW 75-110K LT

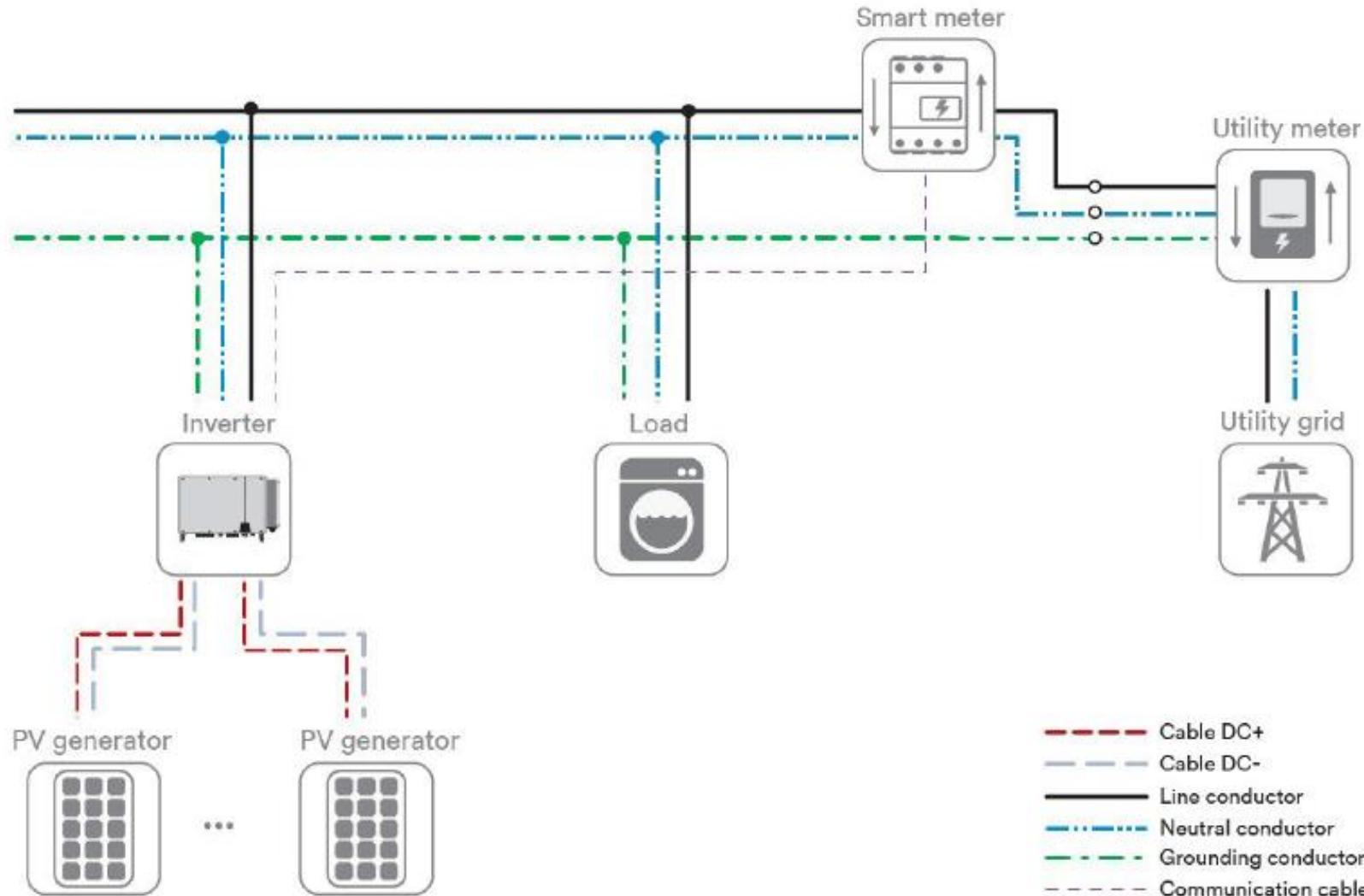


Pin 1=Power+      Pin 5=Power+  
Pin 2=GND      Pin 6=GND  
Pin 3=485A      Pin 7=485A  
Pin 4=485B      Pin 8=485B

RS485 communication terminal

RS485 com port  
pin3 → A  
pin4 → B  
or  
pin7 → A  
pin8 → B

## Meter location

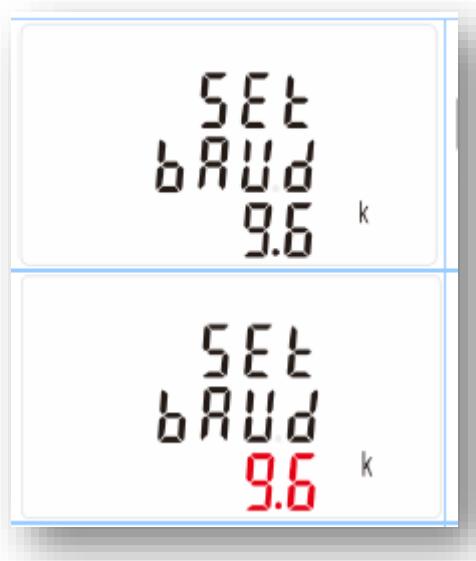


# Setup meter parameter



## Meter communication requirement:

- Modbus address: 001
- **Baud rate: 9600**
- Parity : none
- Stop bits: 1



The Baud Rate must be 9600, otherwise change it. Operation refer to meter User Manual ( come with meter)

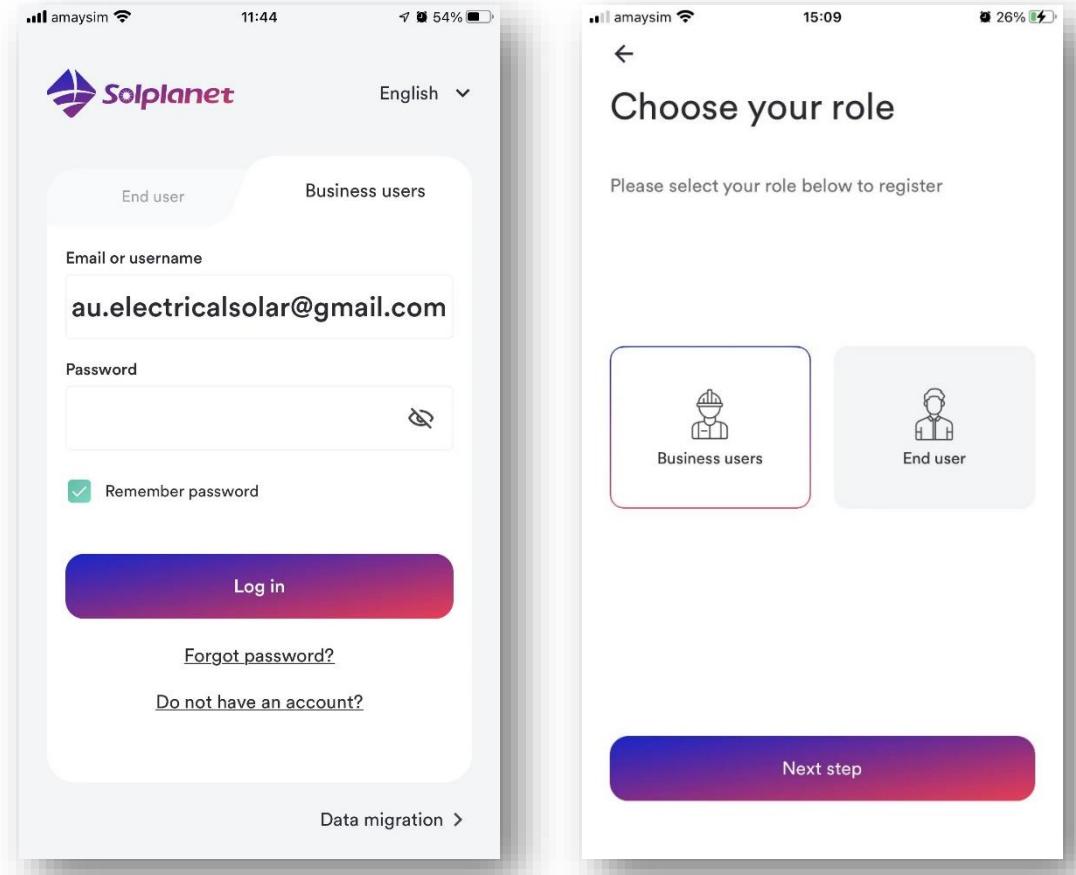
# APP Parameter setup





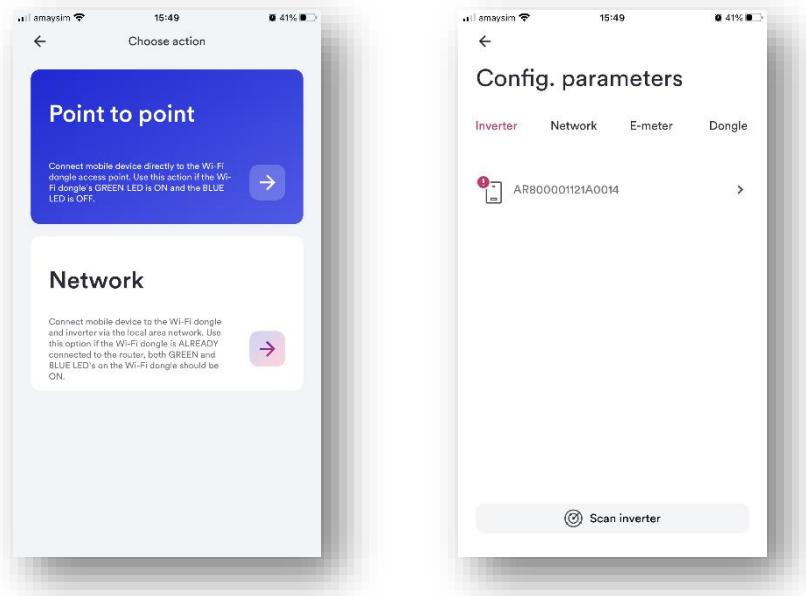
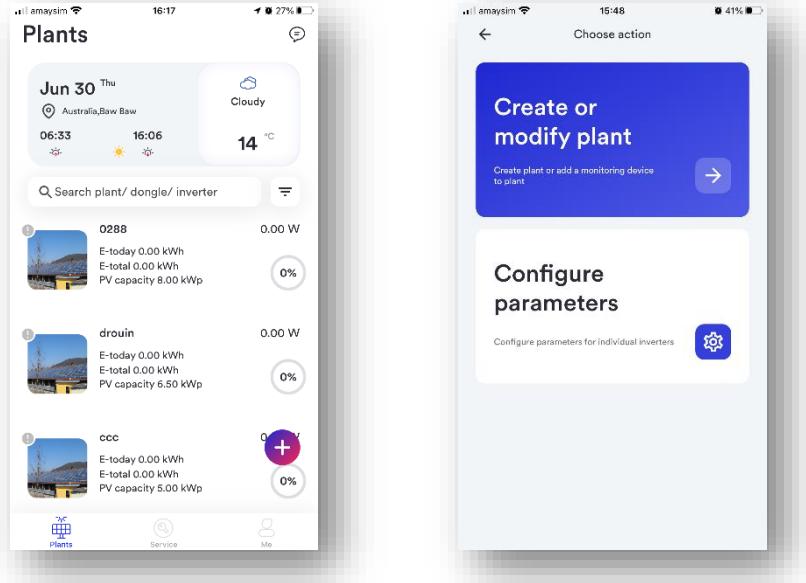
*Before setting up export limitation via APP,  
make sure meter wiring is done and power up*

Login Business User account  
or register a new one



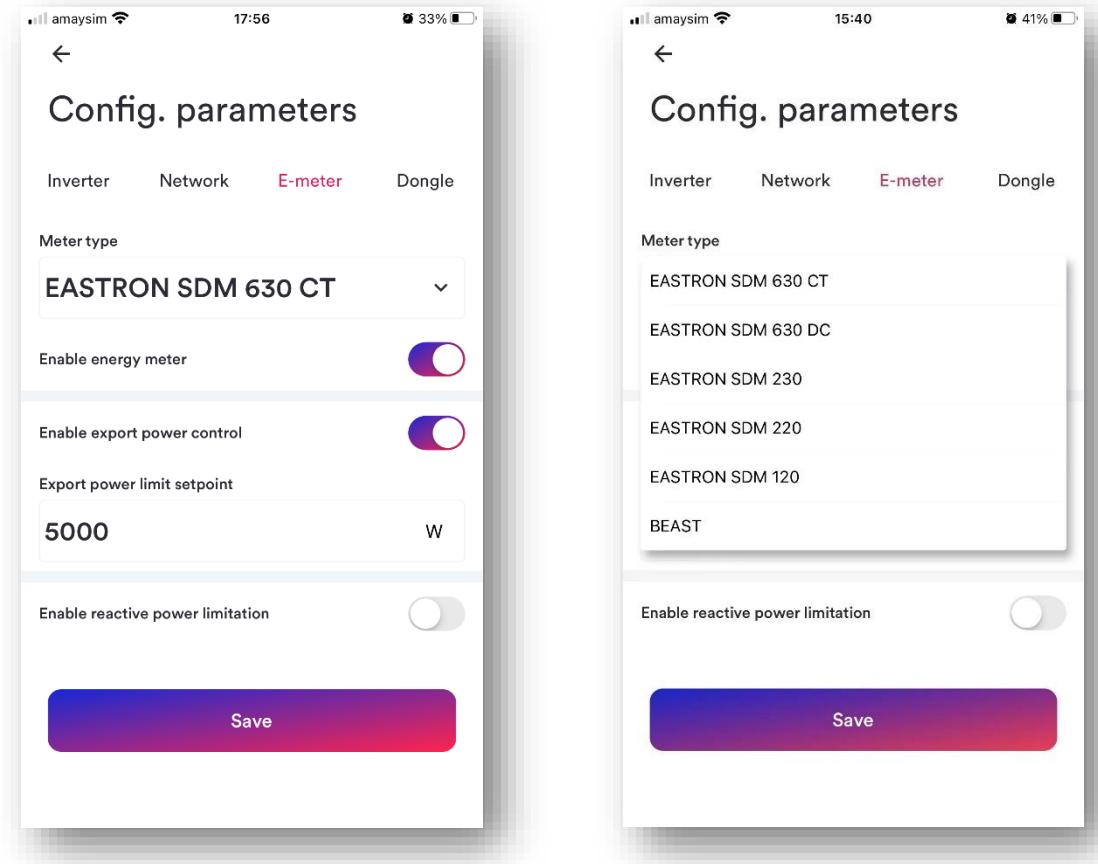
Business user can get access to parameter setting all the time

- Click + icon, select **configure parameters**
- If WIFI is not connected, select **Point to Point**; if mobile and inverter connect to same WIFI network, then select **Network**.
- Select **E-meter** to **export control page**



# Export Power Control

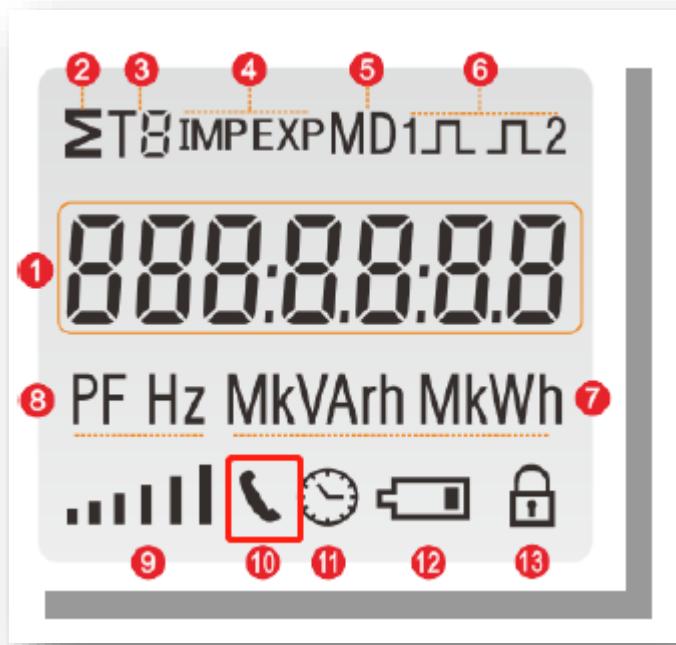
- Disable **Energy Meter**
- Select correct **Meter type**, then enable Energy Meter
  - a. Single phase: 230/120 (CT)
  - b. Three Phases: 630 /630 CT
- Enable **Export power control** and set the power limit.
- Save all the parameters



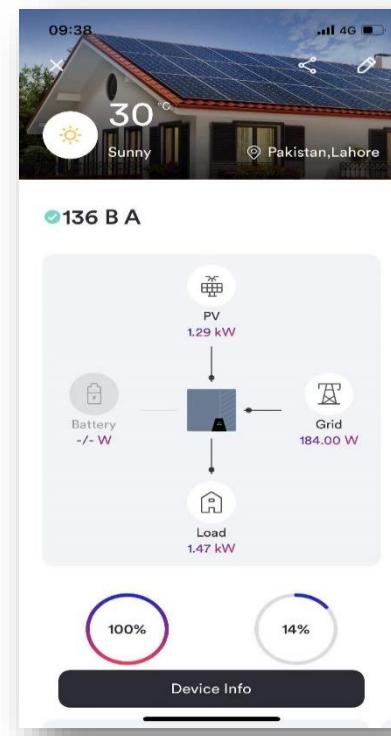
# Verification



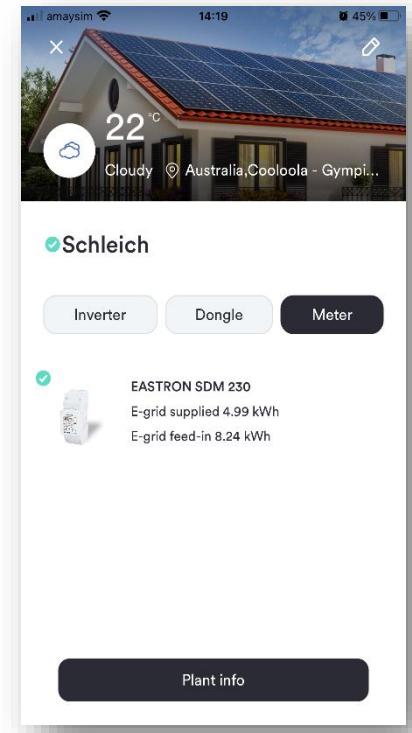
## Check meter value on APP / Meter to verify export control is working



When the 'phone' icon appears,  
meter coms is ok



flow chart or meter information can tell if  
meter is working





# Solar for everybody

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