



# SOLAR RELAY

**INVERTER CONTROL  
with  
SOLPLANET & JINKO**



Models:  
ASWXXXX-S-A  
ASWXXXXH-G2  
JKS-XHLVS-GI

**CATCH Power**  
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**IMPORTANT**

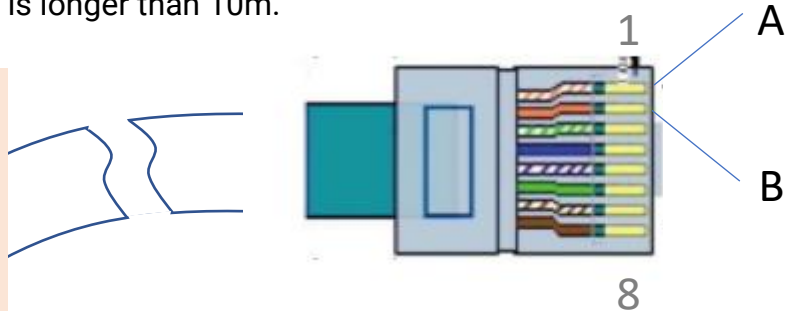


This guide discusses the specific wiring and configuration need to implement inverter control. Ensure the installation guide for both products is also followed.

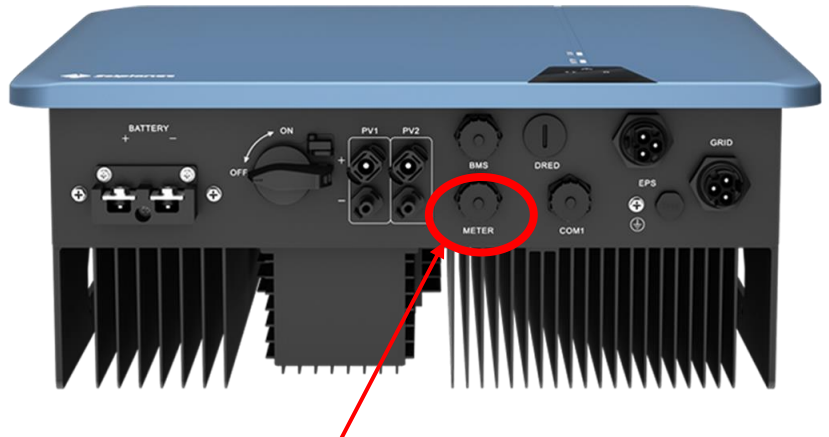
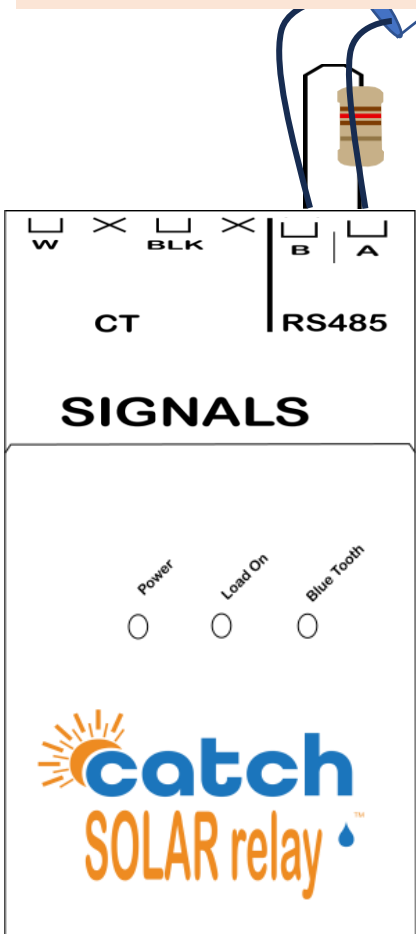
## Wiring Instructions

Ensure the data cable is rated for the voltages it will be in close proximity to. A 120 Ohm terminating resistor may be required at the CATCH Relay terminals as shown in the diagram below if the cable run is longer than 10m.

**ASWXXXH-G2**  
**JKS-XHLVS-GI**  
**(HYBRID)**



RS485 A -> RJ45 Pin 1  
 RS485 B -> RJ45 Pin 2



RS485 cable plugs into here

**IMPORTANT**

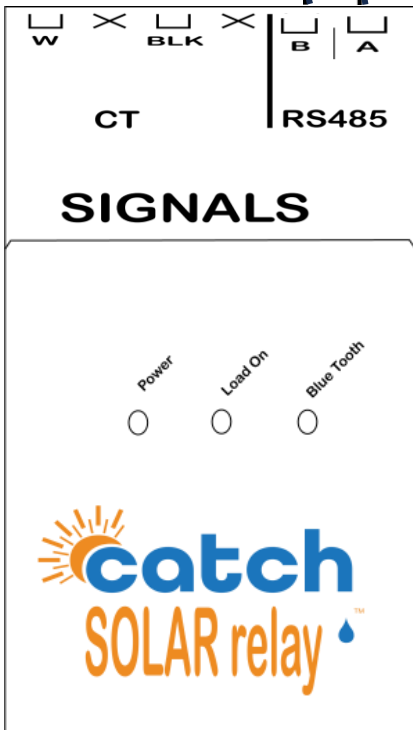
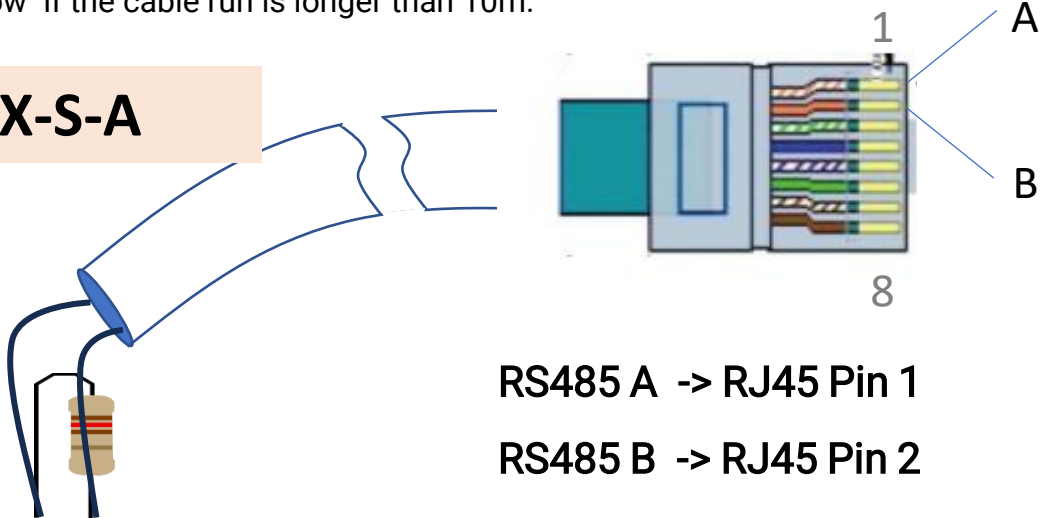


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**ASWXXXX-S-A**



RS485 cable plugs into here

# Inverter Setup



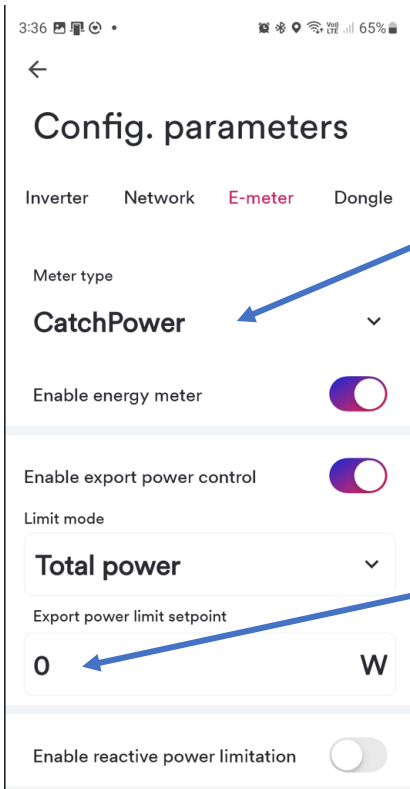
Using the Solplanet App setup the inverter as shown below:

**IMPORTANT**



The inverter needs to be upgrade with Australia specific firmware. Contact SOLPLANET support to get the inverter firmware upgraded first...

**Tell them you are using CATCH Solar Relay**



1. Choose CATCH Power as the energy meter.

In order to change the energy meter you need to disable the meter first. Make the change then re-enable.

When CATCH Power is chosen as the energy meter this value is ignored.

# SOLAR RELAY Setup

Navigate to the Configuration page, and under the Modbus configuration set the parameters as shown.

### Modbus Configuration

Emulated Meter  
**SOLPLANET**

Cluster Export Limit  
**0**

Modbus Device ID  
**1**

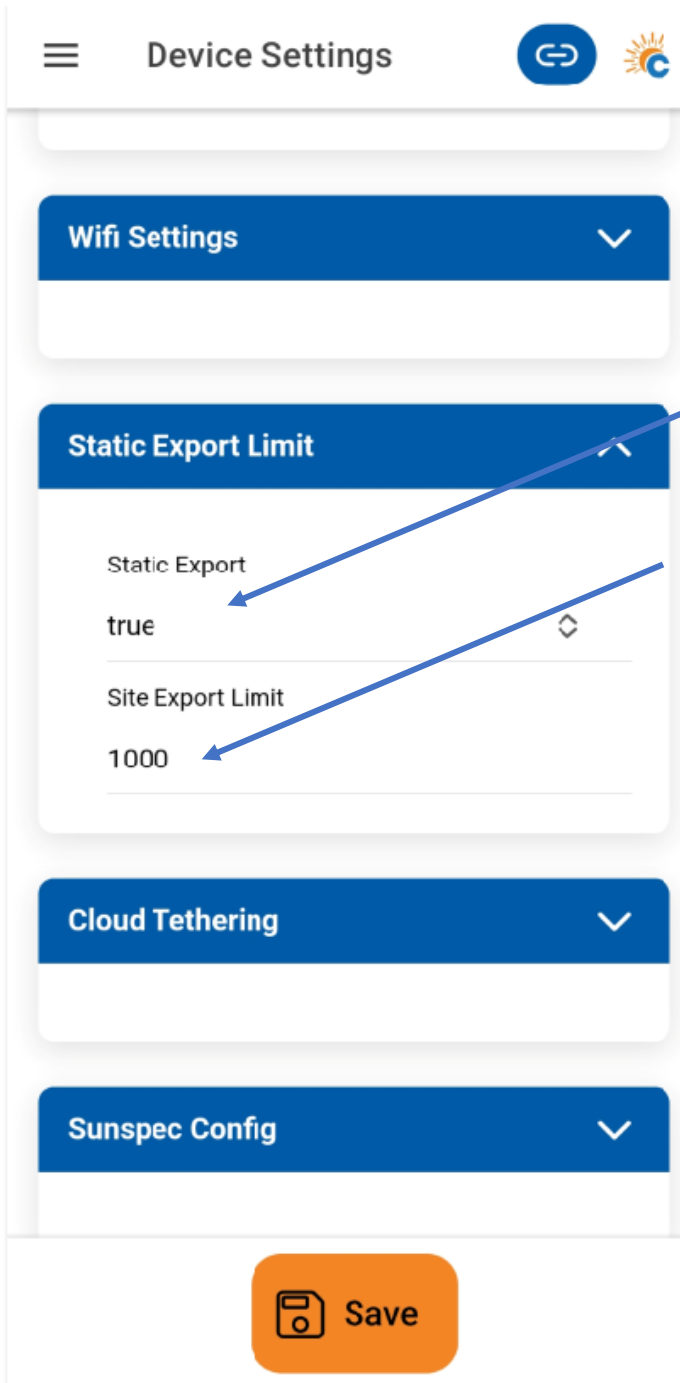
Modbus Baud Rate  
**9600**

Modbus Stopbits  
**1**

Modbus Parity  
**None**

# SOLAR RELAY Setup

Specify the site export limit via the static exports configuration as shown below.



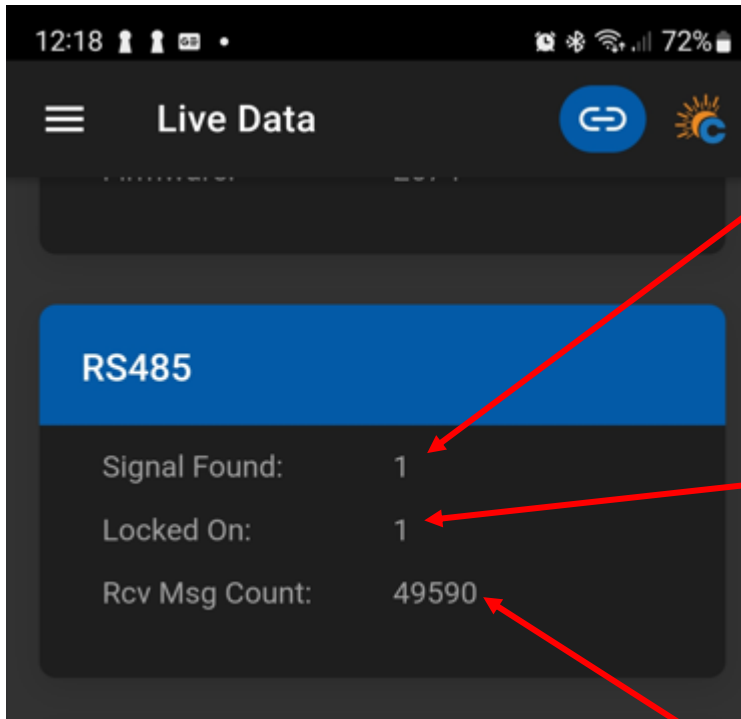
1. Set this to true

2. Set the site export limit

# Checking the status of the RS485 interface

Within the CATCH Power app if you navigate to the bottom of the Live Data screen you will see something similar to the screen below.

The RS485 Status Can be used to confirm correct operation



Indicates the inverter is transmitting data on the RS485 cable.

If this is zero it means the inverter is not communicating or there is a break in the cable.

This indicates the inverter and the CATCH Relay are talking the same language.

If this is zero it is likely you have not chosen the correct meter when configuring the relay or the +ve and -ve wires are crossed over.

This number continually counts the number of successful messages. This number will continue to rise if communications the link is good.

THE FOLLOWING ONLY NEEDS  
TO BE FOLLOWED IF YOU ARE ENABLING  
DYNAMIC / FLEXIBLE EXPORTS





# RTU Control

DYNAMIC / FLEXIBLE Export Control

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- There is no special setup needed for RTU Control.
- The Native inverter monitoring platform is supported.
- Batteries are fully supported

## SUNSPEC Configuration

SOLPLANET Does not support  
SUNSPEC over modbusTCP



# REGISTER SITE

DYNAMIC / FLEXIBLE Export Control

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Follow the Configuration steps in the Electricians Guide to register the site for the MONOCLE, and for Dynamic / Flexible Exports

DYNAMIC / FLEXIBLE EXPORT CONTROL

DYNAMIC / FLEXIBLE EXPORT CONTROL