



SOLAR RELAY

**INVERTER CONTROL
with SOLAX X1**



Models:
SOLAX X1

CATCH Power
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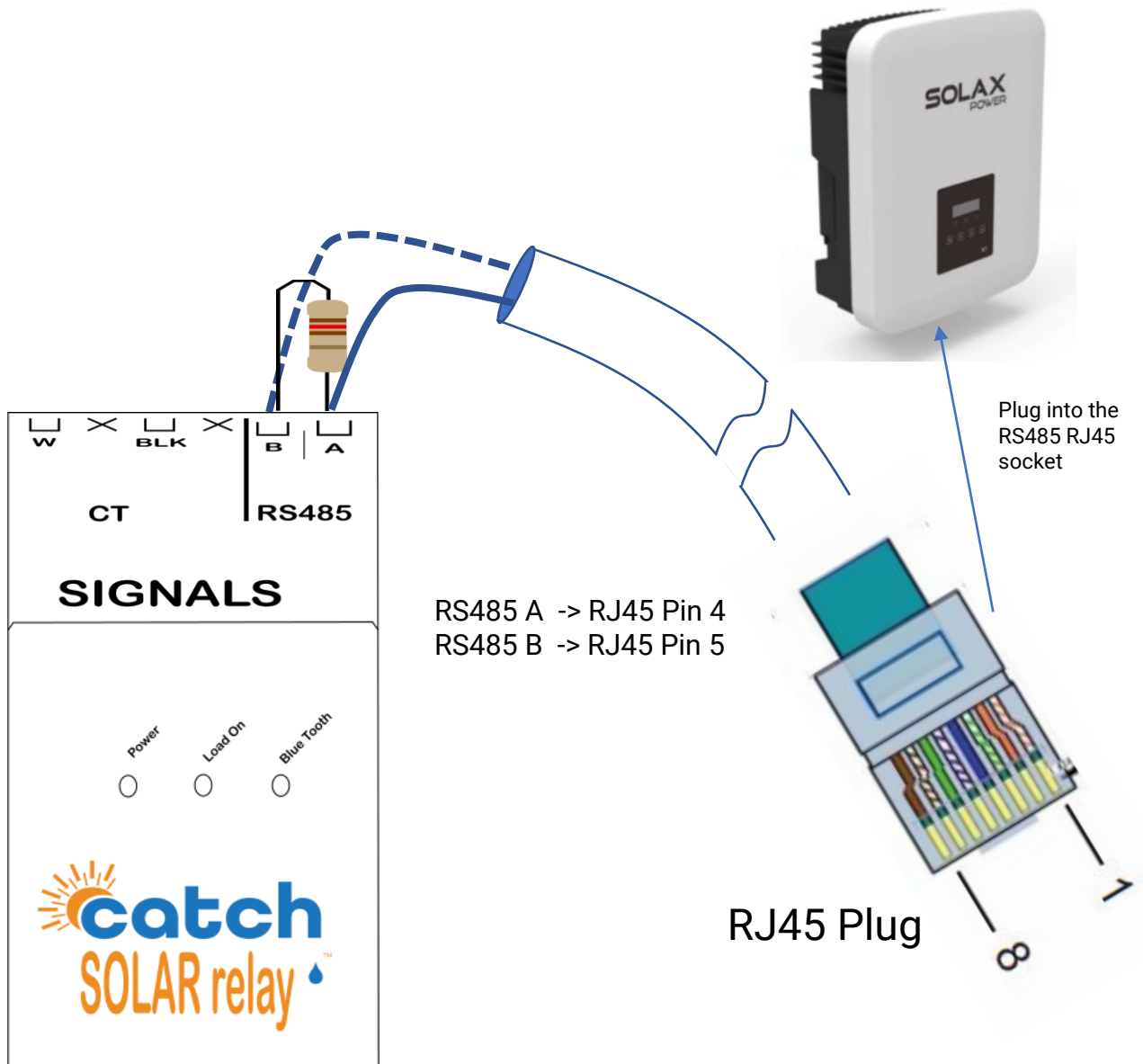
IMPORTANT



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

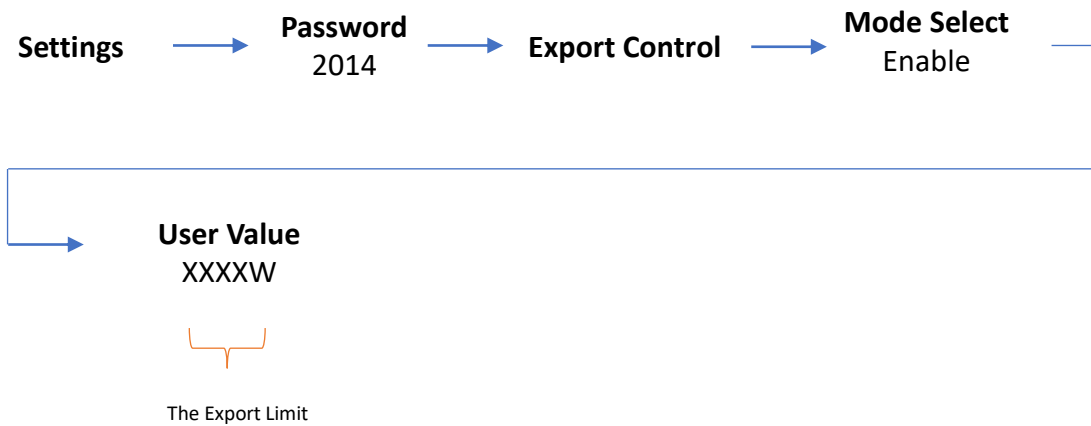
Wiring Instructions

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.



Inverter Setup

The next step is to set the unit up for export control.



Export Limit:

- If you want to set the inverter to a zero export, you need to specify a value of 1W. The inverter will not accept 0W as a valid value.
- The units specified in this field are Watts. So a 3kW export limit is specified as 3000

SOLAR RELAY Setup

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

Modbus Configuration

Emulated Meter
CHINT DDSU666

Cluster Export Limit
0

Modbus Device ID
1

Modbus Baud Rate
9600

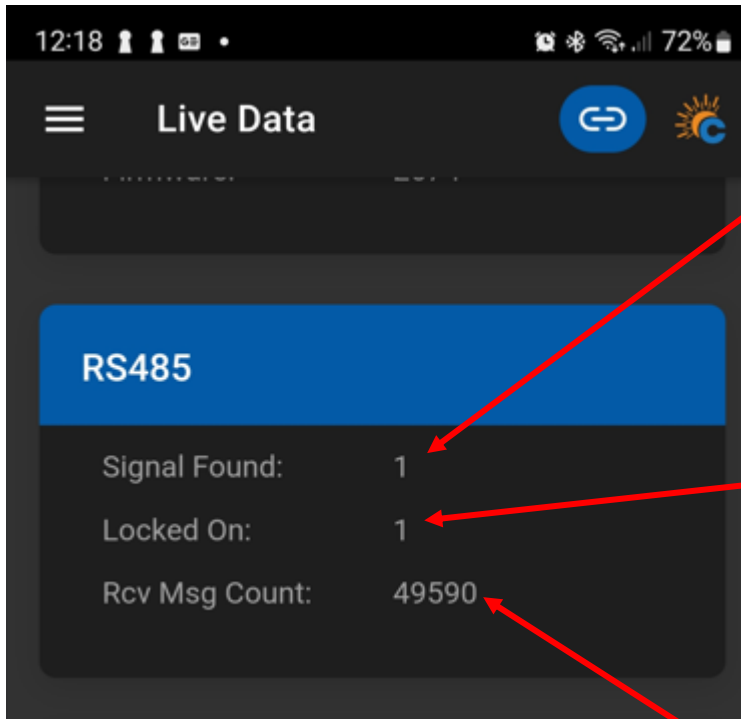
Modbus Stopbits
1

Modbus Parity
None

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**



NO NATIVE MONITORING

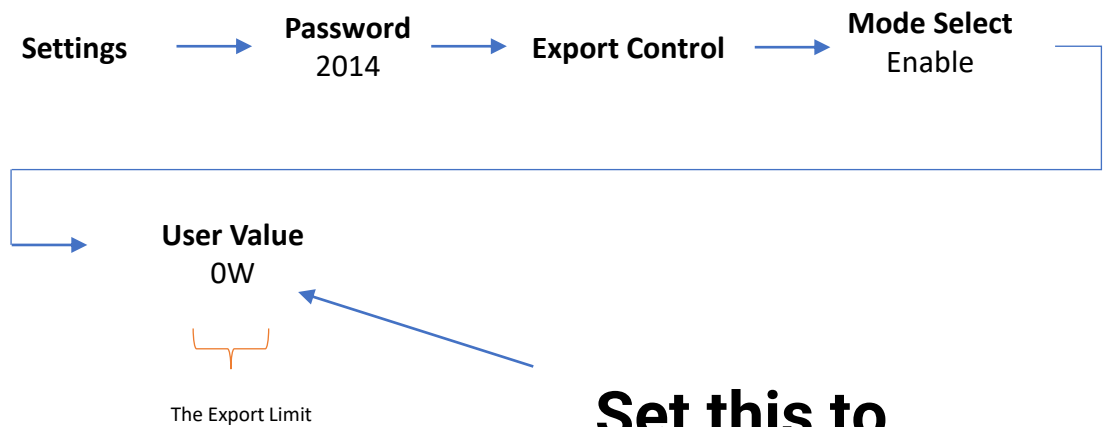
If you choose to use RTU Control for this inverter, the inverter monitoring platform will not work



NO BATTERIES

RTU Control cannot be used on Hybrid inverters that have a battery connected.

Export limit the inverter to ZERO



Set this to Zero

SUNSPEC Configuration

SOLAX Does not support SUNSPEC
over modbusTCP



REGISTER SITE

DYNAMIC / FLEXIBLE Export Control

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