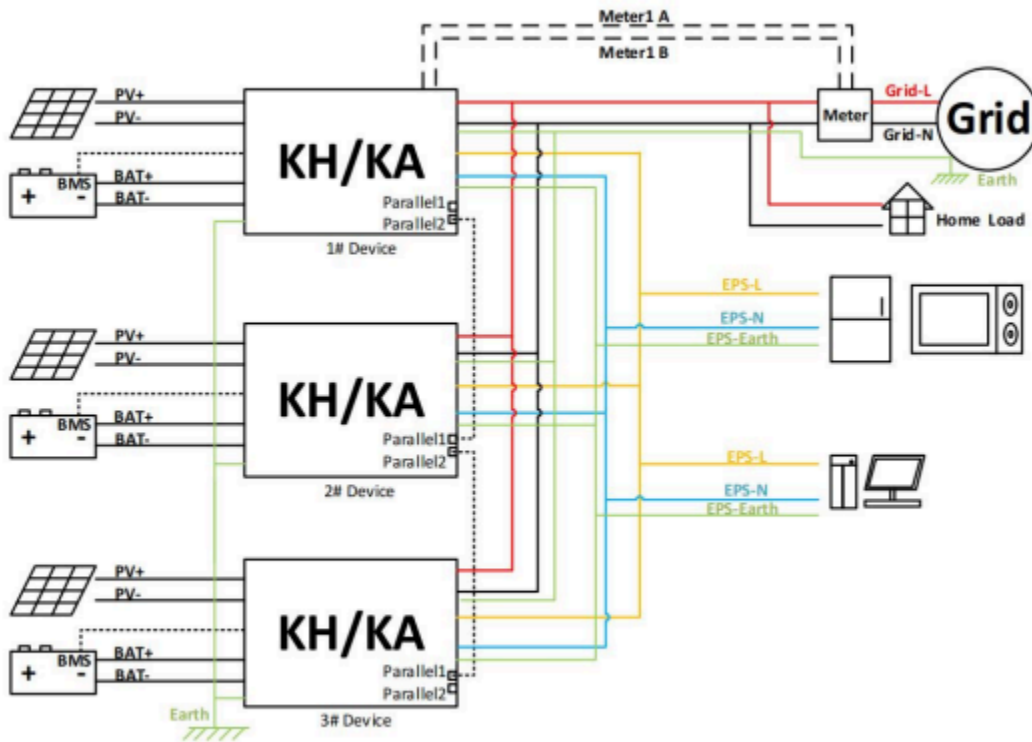




# How to Parallel Fox 10.5 (KH Series) Single Phase Inverters

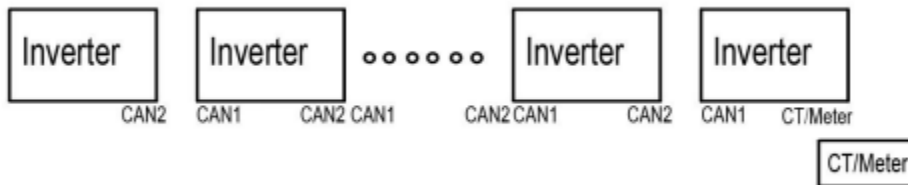
A single-phase parallel installation is relatively simple, but the information in the user manual needs to be clarified. Please see this [video example](#) and below to simplify and assist you with your installation.



\* #1 Device = Master Inverter

When doing parallel installations, only the Master inverter needs to have a CT/Meter connected, as it will control the power output of the Slave inverters accordingly.

As pictured, the communication cable should go from the 'Parallel 2' port on the Master to the 'Parallel 1' on the 1st Slave inverter, and so on for each Slave inverter.



The communication cable needs to be a standard CAT5/6 cable with RJ45 connectors, using the standard 8-pin RJ45 pinouts.

For the DIP switch settings, only the DIP switch on the Master needs to be adjusted, and all of the toggles need to be shifted to the 'ON' position.

The Slave inverters DIP switches **DO NOT** need to be adjusted.

For the settings on each inverter, you need to go to '**Menu - Settings - Parallel**' and you will see 2 available options:

- Address
- Number

The '**Address**' can be any unique number from 000 - 249, and must be different for each inverter in the parallel setup. We would recommend setting the Master to 001, and then numbering the Slaves in sequence(...002, 003, 004) as applicable to make it easier to remember.

The '**Number**' relates to the amount of inverters in the setup. This must be set on each inverter and must be the same value on each inverter. For example, on an installation of 2 x KH 10.5kW inverters, both inverters numbers' must be set to 2.

When doing parallel installations, all inverters in the series need to match up completely meaning each inverter must have its own stack of batteries, equal to every other inverter in the series. If the Master has 4 x ECS2800 batteries, then every Slave will need 4 x ECS2800. The same applies for PV.

The Cable sizes and lengths are down to your discretion. As long as you follow the user manual, and local electrical regulations a Fox parallel installation is straightforward.