

Why installing an inverter 'Smart Meter' is a good idea.

When you look at the graph below, this time with a Huawei inverter and a Huawei smart meter installed you can see three colours...blue, green and red.

Without a smart meter you would only see **green**...solar production.

With a smart meter you get the extra colours....

Red is the power you are buying from Synergy and as you would expect, that's all you are going to see when the solar has stopped working when the sun has gone down and before it rises again the next morning. In the graph it is named as 'Import' because that what you are doing...importing power from Synergy and paying for it. You might see some red on your graph in the day when the solar is operating if you are using more power in the house than the solar is creating.

Blue is self-consumption of your solar power. The solar makes the power, you turn on a kettle which draws some power, so the solar provides that power. That's self-consumption.

The Huawei is a battery inverter so if there was a battery connected (in the example there isn't) then you would see **Black** lines indicating the energy flowing into and out of the battery.

Why is all this useful, even if you don't have a battery?

It allows you to make changes to your power use so that you have more **Blue** on your chart. The more solar power you self-consume, the more money you are saving.

