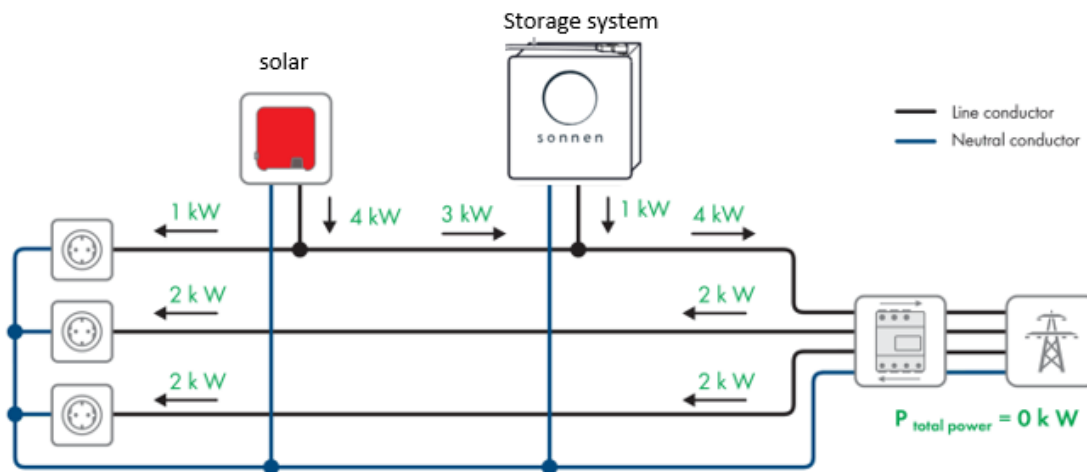


Using a single phase sonnen batterie with three-phase net metering

The single-phase systems that sonnen produce are able to view all three-phases and help control and balance them.

This will only work when the customer has a three-phase meter capable of Net metering. This can be checked with the customer electricity supply company.

If the systems Electricity meter is capable of Net metering, then the system will work as per the image below.



1kW of demand on L1

2kW of demand on L2

2kW of demand on L3

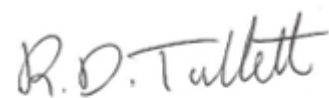
This give us a total demand of 5kW across the three-phases.

The solar is producing 4kW on L1 meaning that there is a deficit of 1kW of power across the three phases not being covered by the solar.

The battery will see this and discharge 1kW on L1 to make up for the deficit.

The house is Consuming 1kW on L1 and then will export 4kW on L1 and importing a total of 4kW on L2 and L3.

Because the system is now exporting 4kW on L1 and importing 4kW combined on L2 and L3 the meter will read 0kW and not charge for any electricity.



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