

## AC Coupled LCD Display Explanation

### Explanation of the LCD display on a Sungrow Hybrid inverter as an AC coupled system on an existing retrofit.

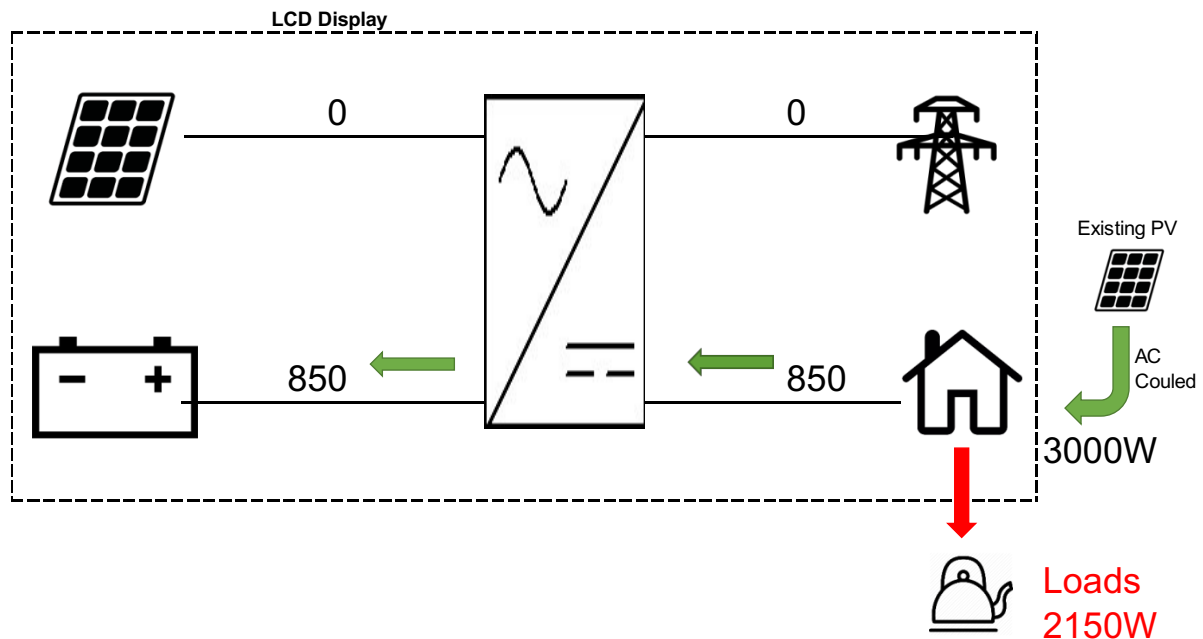
As can be seen from the below diagram, the PV energy from the existing system will show as energy flow 'from' the house.

***This is because it is connected as an AC coupled system.***

As there are no panels directly connected to the inverter, the PV display will read as **Zero**.

The existing PV system is connected via AC coupling.

Therefore, the PV energy from the existing system will show as energy flow 'from' the house.



In this scenario, the existing PV is producing 3,000 Watts. The house is consuming 2,150 Watts.

***The surplus 850 Watts is charging the battery.***