



VO4 AND SOLAR WORKING TOGETHER



VO4 is a voltage optimisation system for homes and small business premises designed to optimise the incoming voltage supplied to a building.

By optimising the voltage, users benefit from a reduction in energy consumption, savings on electricity bills and reduced wear on appliances.

Many properties fitted with solar PV panels have found that the addition of a **VO4** unit to the system is a valuable addition, the key advantages include:



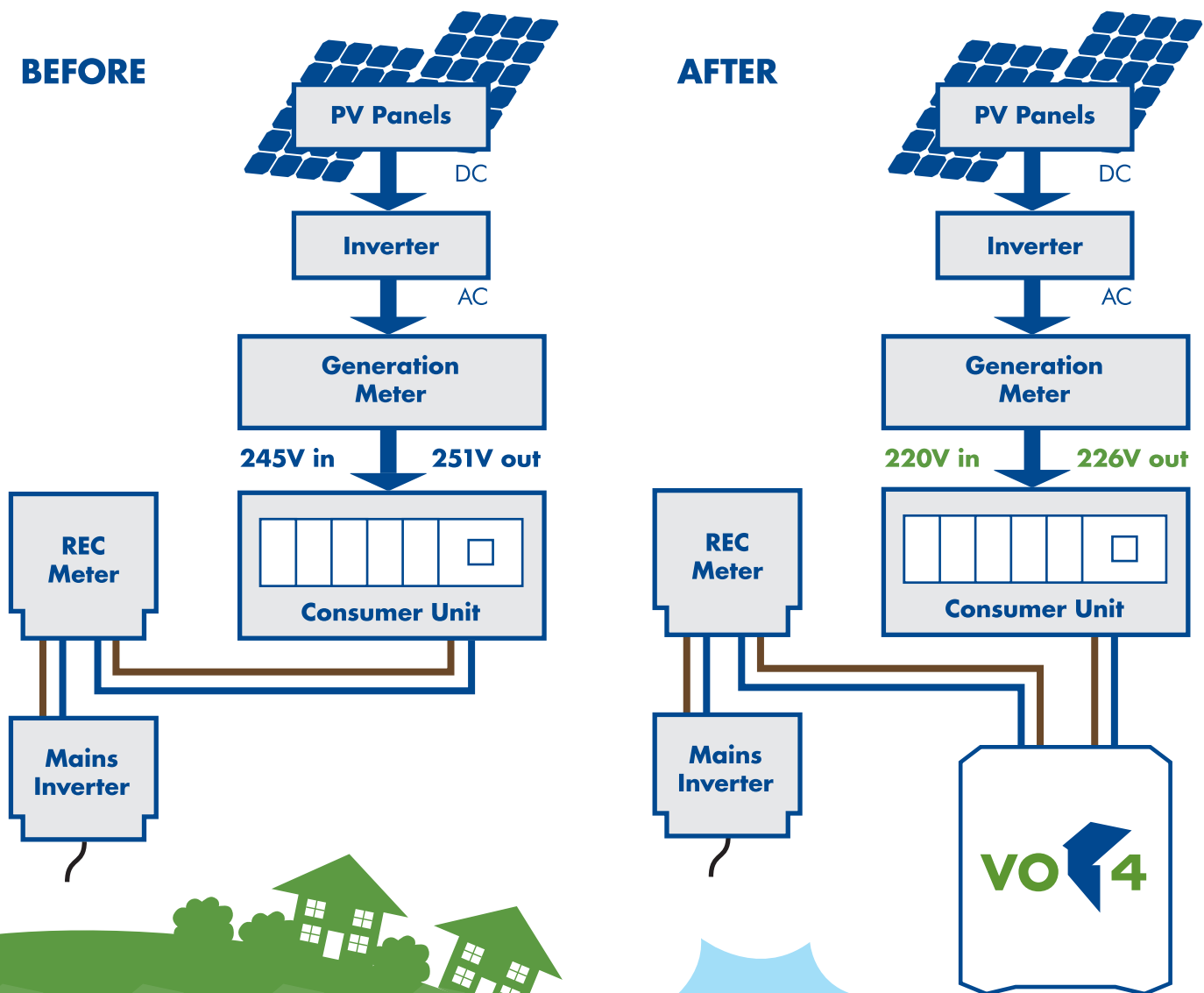
- A reduction in the overall energy use of the property
- As systems use the solar PV generated electricity first this means a reduced bill for imported electricity
- Reduced voltage to the inverter, thus reducing heat build up in the inverter
- Increased lifespan of the inverter
- Reduced wear and tear on appliances, resulting in longer service life; especially when using the power from the PV array which is higher than the mains voltage
- Reduced cut-out frequency
- Simple retrofit process for solar PV systems
- Reduced build up heat and consequent losses
- Reduced overall electricity use



Many solar PV installations are configured as per the diagram shown below, in some circumstances, where local voltages are already high any fluctuations may push the voltage above the range of the inverter, in which case it will cut out.

In these cases installing VO4 in the position indicated will ensure that the inverter is not exposed to the higher mains voltage spikes and will cut out less frequently.

It is a particular feature of VO4 that it will allow current to flow in both directions.



CALL US TODAY!
01709 376881