



Which Kodak?



The **KODAK** OG models have different features and capacities which should be understood when choosing the most appropriate product for your off-grid installation.

This series of questions in diagram form helps to break the decision down.

WHAT ARE THE PV ARRAY OR AC LOADS?

Less than 3kWp

Variable Grid Voltage?

Yes

[OG+3.24](#) or [OG+3.48RM](#)
operating at 24V

No

[OG3.2](#) or [OG3.6](#)
or [OG1.24](#)
operating at 24V

3-5kWp

Variable Grid Voltage?

Yes

[OG+5.48](#) or [OG+5.48RM](#)
operating at 48V

No

[OG5.48](#) or [OGS5.6](#)
operating at 48V

More than 5kWp

Variable Grid Voltage?

Yes

[OG+5.48](#) or [OG+5.48RM](#)
operating at 48V

No

[OGS5.6](#) or [OG7.2](#)
or [OG10](#)
operating at 48V

System Size:

The rated DC power of the PV array, and the peak household AC loads, will determine whether a single inverter can deliver enough energy, or whether more than are needed.

<3kW: If the loads are less than 3kW, the lower capacity versions of the OG+3.24, OG3.24 or OG3.6 can be utilised. These inverters operate at 24V and are ideal matches with the Pylontech UP2500 or Giter G2400-24 batteries.

3-5kW: If rated power of between 3 and 5kW is needed, a single inverter is sufficient but it must be one of the 5kW models that operate at 48V. This allows additional battery capacity to fulfill more demanding loads in the home.

>5kW: If the PV array is larger, or the AC loads are higher than 5kW, a larger or multiple inverters will be required. The OGS5.6, OG-7.2 and OG-10 can be run in parallel mode and work in tandem with up to 9* other units.

*Depending on model, please consult user manual of products for more info.

Variable Grid Voltage

Sites located in more rural locations, or those are the end of a local transmission network, can often experience variable AC voltage that fluctuates above or below the nominal 230V quite significantly.

Yes: The OG+5.48 or OG+RM always produces a steady 230V supply whether the grid is connected or not.

This ensures that appliances see their ideal operating voltage and improves their efficiency.

No: If the AC voltage generally stays within a few percent of 230V nominal then the OGS5.6, OG-7.2 or OG-10 are ideal choices.

Lithium Batteries

Inverters that communicate directly with battery management systems are able to deliver exactly the right charge current to the battery depending on its state of charge. This ensures that energy isn't wasted and the full capacity of the battery can be used. Better communication also helps avoid damage to components.

All KODAK OG models are Lithium compatible.*

*Please consult product compatibility documentation on which batteries are compatible.



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