



ISG-SERIES

Safety with regard to a DC-AC inverter or generator

A DC-AC inverter and generator are ideal alternating current generators to always have 230VAC available. For example, vehicles or mobile units in the professional sector are often equipped with this to be able to carry out work anywhere on site. As long as one remains inside the vehicle/unit, a special earth leakage protection will suffice to ensure personal safety if someone comes into contact with this 230VAC voltage. However, in practice, work will often be carried out outside the vehicle. At that moment, the person is in contact with the earth without the earth leakage being able to intervene in the event of a fault.

On the other hand, an inverter or generator is also increasingly used in a fixed installation. For example, think of holiday homes or garden sheds. Because an inverter/generator (usually) concerns a floating network, an earth pin with earth leakage protection cannot be used in this usage situation.

Obligations

In both of the above-mentioned usage situations, an earth leakage protection will not work. If someone comes into contact with the 230VAC voltage, no protection will be activated, which of course has very serious consequences. That is why one is obliged to ensure good personal safety at all times. This is not only the responsibility of the entrepreneur/owner, but certainly also of the installer. Both are responsible for creating a safe working environment!

Insulation monitor

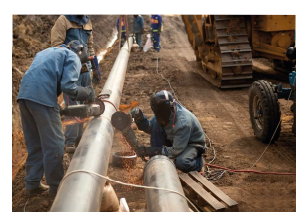
Fortunately, the safety problem can be solved easily with one device. This is done by installing a so-called insulation monitor. The ISG insulation monitors from Xenteq measure the leakage of phase or neutral and in the event of a dangerous value, the device will immediately intervene and switch off the power supply. The ISG takes over the entire security so that work can be done safely in all operating situations.

Prescribed applications

The installation of an insulation monitor is mandatory for mobile and movable units that are used for commercial purposes (company buses, mobile workshops, construction huts, fire engines, etc.). This obligation does not apply to recreational vehicles. However, the situation, and therefore also the risk, in a camper, caravan, etc. is of course the same. If an alternating current generator is built in here and you want to use the 230VAC outside the vehicle, then only an insulation monitor provides the correct personal protection.

Advanced measurement technology

Because the ISG insulation monitors have been developed entirely by Xenteq, we have been able to combine all the requirements in function and measurement in the device. An important fact here is that they are completely insensitive to any DC components such as required by law. By installing an insulation monitor from the ISG series, you fully comply with the set standards!





ISG 230-10 / ISG 230-25



ISG 230-16PP

Available models

Article	Input	Max load	Dimensions	Weight
ISG 230-10	230Vac	2300Watt	12,2x12x5,6cm	0,4kg
ISG 230-16PP	230Vac	3680Watt	12,2x12x8,4m	0,85kg
ISG 230-25	230Vac	5750Watt	12,2x12x5,6cm	0,45kg

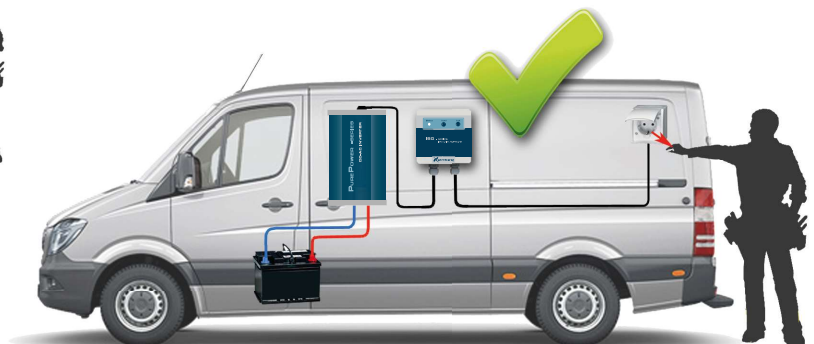
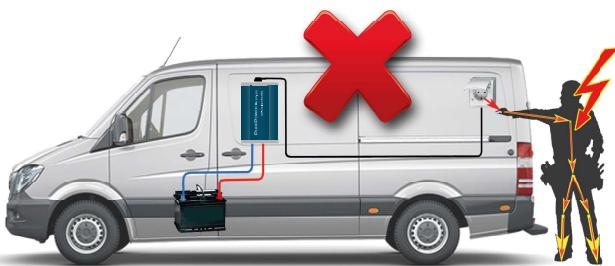


Smart Value label

The devices from the ISG Series are fitted with the Smart Value service label, which is a guarantee of benefits and assurances when it comes to service. This is a unique added value for users of these products! Read more on our website.

Easy installation

The insulation monitor can be easily mounted between the output of the inverter/generator and the consumers. Two different versions are available for this. The ISG 230-10 and ISG 230-25 are equipped with a fixed cable output. This can then be led to e.g. a wall socket in the relevant installation. The ISG 230-16PP is the plug & play version. The consumers can then be connected directly to the socket of the insulation monitor. Is an inverter with integrated transfer switch or a combi device (battery charger and inverter in one) being used? Then the ISG 230-25 should be mounted. This model has the option of connecting the required mains voltage detection.



Your dealer

Inevitably to guarantee personal safety!