



ISO-SERIES

Safety with regard to a DC-AC inverter/generator

Vehicles that are used in the professional sector are often equipped with a DC-AC inverter or, rather, a generator to ensure that they have 230 V AC everywhere on site. If the alternating current generator is built into the vehicle and you go outside the vehicle to work with the 230 V AC, there is no safe earthing any more. If an error occurs, no protection will be available and, therefore, all the unsafe situations that can be imagined are possible.

Obligations

According to the law, a safe working environment must always be ensured. As long as you stay in the vehicle, special RCD will be sufficient. In practice, however, activities will often be performed outside the vehicle. However, this RCD will then not become operational and, therefore, does not comply with the requirements. One option is to work with a ground pin. Even though this, naturally, is not a solution that can work.

Insulation guard

The protection problem can be solved with just on device, a so-called insulation monitoring device or insulation guard. The insulation guard measures the leakage from the phase or neutral and, when there is a dangerous value, the device will intervene immediately and switch off the power supply. Installing an RCD is not required because the insulation guard will take over the whole protection issue.



What happens if you do not install an insulation guard?

If an insulation monitoring device has not been installed, the 230 V AC supply will not be switched off if a person comes into contact with this. This will have very serious consequences. Even though the probability of an error occurring is small, there is a risk and, therefore, this must not be ignored. This is not just the responsibility of the entrepreneur/owner but also the company who installed the system. Both are responsible for creating a safe working environment!

Prescribed applications

Installing an insulation monitoring device is mandatory with regard to driven and mobile units that are used professionally (mobile workplaces, construction site huts, fire trucks, etc.). This obligation, therefore, does not apply to recreational vehicles. However, the situation and, therefore, also the risk in a mobile home, etc. is the same. If an alternating current generator has been integrated into these places and you want to use the 230 V AC outside the vehicle, only an insulation monitoring device will provide the correct personal protection.

Patented AMP technology

Another important issue is, moreover, that the insulation monitoring devices from the ISO series have the patented AMP (Adaptive Measure Pulse) technology. This means that they are completely insensitive to any DC components. By installing an insulation monitoring device from the ISO series you will, therefore, fully comply with the set requirements!



Available models

Article	Input	Power	Dimensions	Weight
ISO 230-16	230Vac	3680Watt	12,2x12x8cm	1,1kg
ISO 230-16PP	230Vac	3680Watt	12,2x12x8cm	0,9kg
ISO 230-16C	230Vac	3680Watt	12,2x12x8cm	1,2kg
ISO 230-25	230Vac	5750Watt	12,2x12x8cm	1,1kg
ISO 230-25C	230Vac	5750Watt	12,2x12x8cm	1,2kg

The power that these devices can handle as standard is 16 or 25Amp. This means that a continuous consumption of at most 3680 or 5750Watt can be connected.



Smart Value label

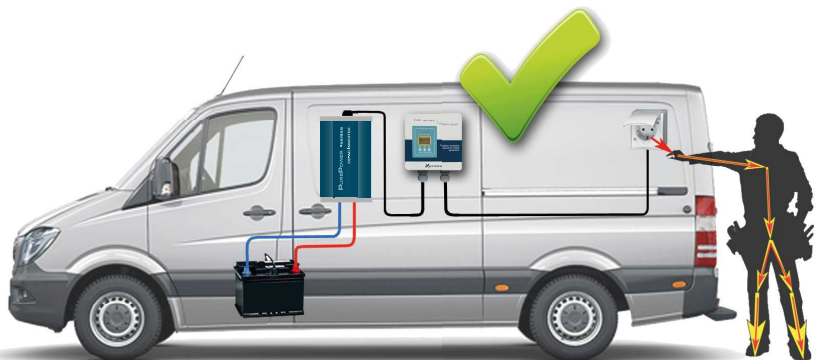
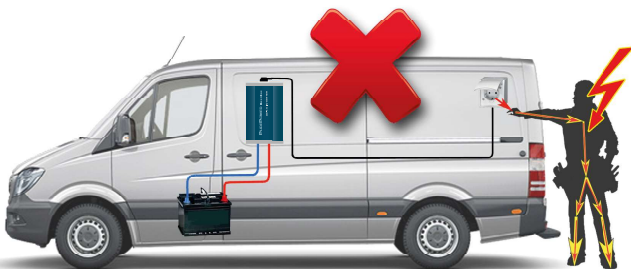
The devices from the ISO Series are fitted with the Smart Value service label, which is a guarantee of benefits and assurances when it comes to service. This is a unique added value for users of these chargers! Read more on our website.

Easy installation

The isometer can be easily installed between the output of the inverter/generator and the consumers. Two different versions are available for this. The ISO 230-16 and ISO 230-25 are equipped with a fixed cable output. This output can then be guided to the wall socket in the relevant installation or system. The ISO 230-16PP is the plug & play version. Consumers can be connected directly to the wall socket of the isometer. A special model is needed when using a Combi (inverter and battery charger all in one), namely the ISO 230-16C or ISO 230-25C.

Did you know

If you require a different model than the standard types that are described above, please contact us. Since we produce this insulation monitoring device in-house, we can often build them based on customer specifications. Heavier powers and other input voltages all belong to the possibilities.



Your dealer

Inevitably to guarantee personal safety!