Xenteq
Mobile energy technology

POWER TRANSFER SWITCH

2 year warranty

X-com communication protocol

Designed and developed in the Netherlands

Produced in the Netherlands

PTS-SERIES

Two 230VAC circuits

Combined with the battery, a DC-AC inverter is the ideal solution for making 230VAC available anywhere. To save the battery, it is of course logical to change over the equipment from the inverter to the mains as soon as mains power is available. For example when a camper arrives at a campsite or a company van arrives on premises that have 230VAC available. But as you will then be dealing with two 230VAC circuits, the system of the relevant vehicle will have to be adapted. Now, this poses a problem, because simply connecting the mains to the DC-AC inverter in parallel is going to damage the inverter! It means that the output of the inverter will become subjected to 230VAC when the mains are connected, causing major damage.

Automatic transfer switch

A PTS switch box is a practical solution for controlling the operation of two 230VAC power sources. The way the device works is quite straightforward: there are two inputs to which the mains power and the 230VAC of the inverter are connected. The 230VAC devices are connected to the output. The device automatically switches between the two 230VAC circuits. When the mains power is removed, the equipment is connected to the inverter and vice versa. If both circuits are present, mains power has priority to save the battery. If this priority rule needs to be changed in a specific situation, the connection method can be changed to facilitate this, of course.

Usage conditions

This text mainly talks about an inverter in combination with mains power, as this is the most common usage. The PTS switch box can of course also be used in combination with an aggregate. There are always two 230VAC inputs, regardless of the source. What is important, however, is the power that will run through the PTS. In other words: what is the (total) consumption of the connected equipment. That is why there are two models available with different power outputs.

X-com connection

Model PTS 230-25 has a plug&play connection especially designed for communication with Xenteq PurePower inverters (from 600 Watts). This makes it possible to automatically switch the inverter on and off. When mains power is available, the PTS will switch off the PurePower inverter completely. When mains power is removed, the inverter is switched back on. This means the inverter is not kept switched on unnecessarily, it saves the battery, and it is not necessary to constantly switch the inverter on and off manually.

Potential free contact

The other connection on the PTS 230-25 model is a potential free contact. This offers multiple possibilities, for instance starting up an aggregate, switching an inverter on/off, or generating a (warning) signal.

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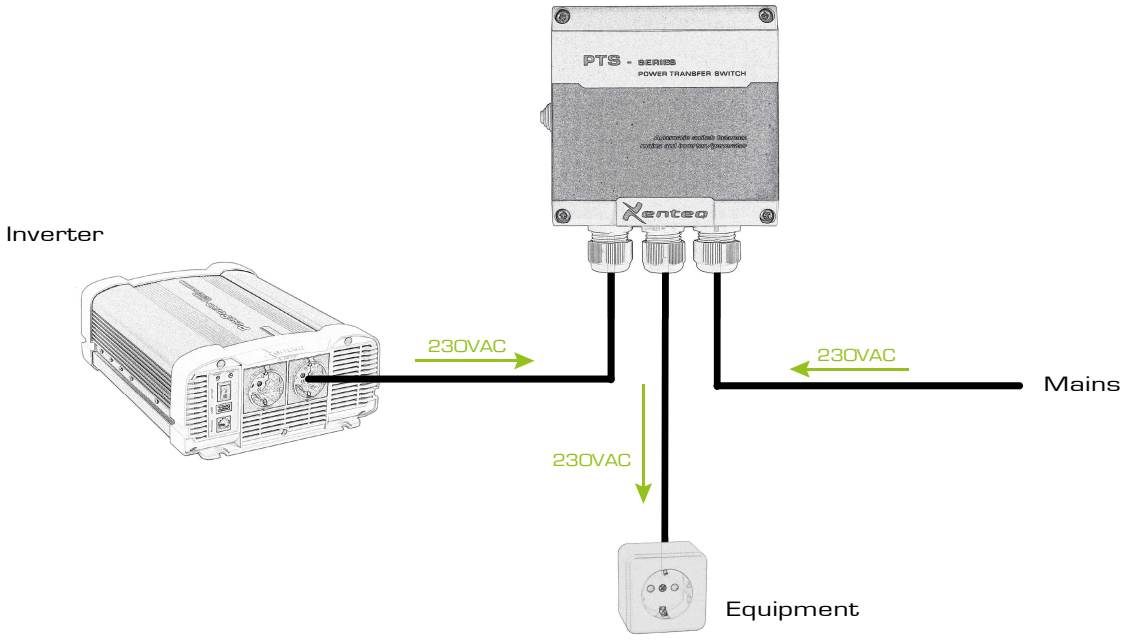
Available models

Article no.	Voltage	Power	Dimensions	Weight
PTS 230-10	2x 230Vac	2300Watt	12,2x12x5,6cm	0,2kg
PTS 230-25	2x 230Vac	5750Watt	12,2x12x5,6cm	0,5kg

The technical specifications can be downloaded from our website.

Did you know?
The PTS series is designed and developed entirely by Xenteq. Our knowledge and experience from practice and R&D flow together and lead to a functional and qualitative end result. We literally know this product inside and out. This naturally has a positive effect in many respects.

To ensure the device can function and is connected properly, all three conductor wires (phase, neutral and ground) are connected to the PTS switch box. So it is not necessary to add a separate (external) ground. An important feature is the fact that the PTS switch box is switched off with a double pole (phase and neutral). This is done through a single relay, so no problems can arise due to double switching.



Your dealer

The practical solution for two 230VAC sources!