Operation manual
Priwatt

Solar modules

Consumer
(e.g. hot water
accumulator)

Inverter with
Priwatt

Manual bypass
switch

Load relay

Production meter

Supply meter
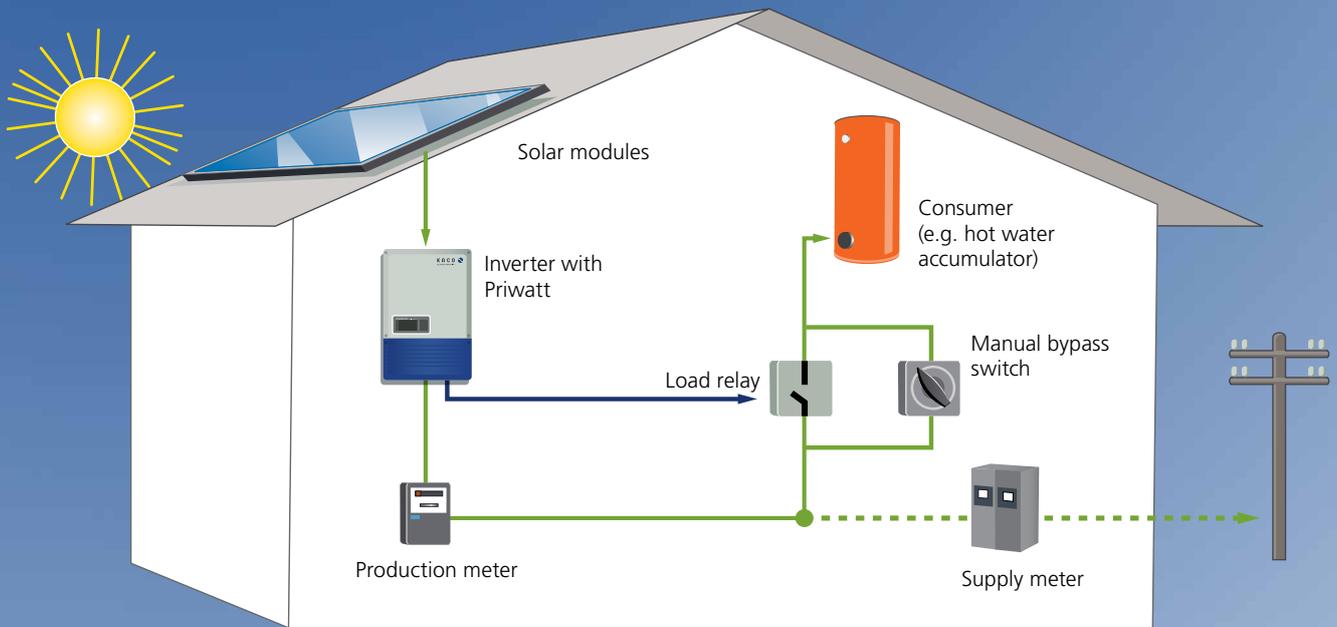
Good for the wallet. Good for the energy turnaround. Good for the environment.

Profitable own power consumption of PV electricity with Priwatt.

As the owner of a photovoltaic system you produce environmentally-friendly electricity much more economically than electricity from the grid. Why not take that decisive step forward then? Use your own self-generated solar energy: You become more independent in terms of your energy supplies and are taking the next step in the direction of the energy turnaround. With our Priwatt self-use controller we offer you a simple energy management system as an alternative to expensive smart-home solutions. Priwatt is free of charge and is pre-installed in all KACO new energy inverters of up to 50 kVA.

Priwatt is an interface within the inverter which allows you to systematically operate your household appliances with solar energy. You can configure the appropriate settings using the inverter display in a few steps:
▪ Using the activation mode you decide how often the appliance should be switched on: once a day, continuously or just once.
▪ With the monitoring time you determine how long the required solar power needs to be available before the appliance is switched on. Settings of between 1 and 60 minutes.

▪ The power threshold is used to determine how much power the appliance needs in order to be started. Settings of 100 watts up to the full rated output of the inverter in 10 watt increments.
▪ The operating mode can be selected depending on output or duration. The time-dependent function is normally chosen when the household appliance calls for a minimum run-time.
▪ In selecting the time-dependent operating mode, you enter the duration of the appliance's operating time. Settings from 1 to 600 minutes.

Tip:
Add the local base load to the power threshold of the household appliances that you want to switch on with Priwatt. In this way you also use your solar power to operate the rest of the appliances in the home as long as Priwatt is activated. You can thereby reduce the amount of electricity drawn from the grid together with the related costs.

Example:
If you want to use Priwatt to heat your hot water boiler, use the following settings in the inverter menu: The correct activation mode is continuous, the monitoring time is just 1 minute and the oper-

ating mode is dependent on output since Priwatt will power your warm water boiler as often and as long as possible with the amount of available solar energy. The power threshold is 2,400 W,: 2,000 W for the tank and 400 W for the local base load (assumed values). The operating time is not shown in output dependent operating mode.

Using an override switch you can also revert to operating the appliance from the grid at any time.

Above all else, Priwatt is economic for generating heat, or for switching on appliances which are needed if solar irradiation is higher, or to charge batteries.

Obvious examples of use are:
▪ Heating pumps
▪ Hot water tanks
▪ Pool filtering systems
▪ Air-conditioning
▪ Irrigation systems

Your retailer