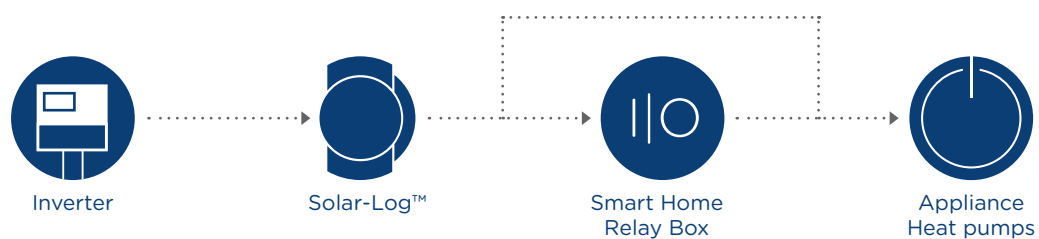


## Effective use of heat pumps for energy storage

The combination of photovoltaic and heat pumps offers another potential way to optimize the consumption of self-produced power. The basic idea is to use surplus PV power to run the heat pumps. The Solar-Log™ coordinates the consumption and appropriate supply of PV power. It controls the power-consuming appliances and heat pumps.



The Solar-Log™ Smart Home Relay Box is well suited to connect the Solar-Log™ and heat pump since different thresholds can be identified by the relay contacts. Some manufacturers' heat pump can even be connected to the Solar-Log™ Energy Management System via their protocol. For heat pumps with a blocking contact, the internal relays of the Solar-Log 1200 and 2000 are also well suited for the control.

A building can be used as a buffer storage when using IDM heat pumps. The switching options of the heat pumps can be optimized with the integrated Solar-Log™ weather forecast. The target temperature in the rooms is then maintained by the heat pumps depending on the selected comfort mode and by taking the weather data into account.