



PHOTOVOLTAIC COMPATIBILITY



When combined with a photovoltaic installation, heat pump water heaters harness free solar energy for storage and use purposes, delivering cost-free water heating and powering household appliances, regardless of weather conditions. This setup guarantees ongoing energy savings for all installed appliances and includes a dedicated connection to seamlessly switch to solar power whenever it is readily available.

PHOTOVOLTAIC MODE

When activated, this mode allows the heat pump water heater (hpwh) to leverage free solar energy and produce hot water. Photovoltaic mode maximises energy consumption thanks to 3 features:

- During the night, set temperature is reduced to 45°C, allowing hpwh to use less energy to heat water.
- During the day, when a photovoltaic signal is detected, hpwh uses the solar energy to store of hot water at the maximum set temperature.
- If no photovoltaic signal is detected, hpwh returns to its previous mode to heat water.

TYPICAL OPERATION OF SOLAR INSTALLATION

Solar energy is collected by the photovoltaic panels and sent to the inverter before adapting to all of the installed household appliances **1**

Electricity is then sent to the working domestic appliances or to the power grid **2**

Hpwh focuses efforts on the power grid supply (normal electricity supply) **3**

