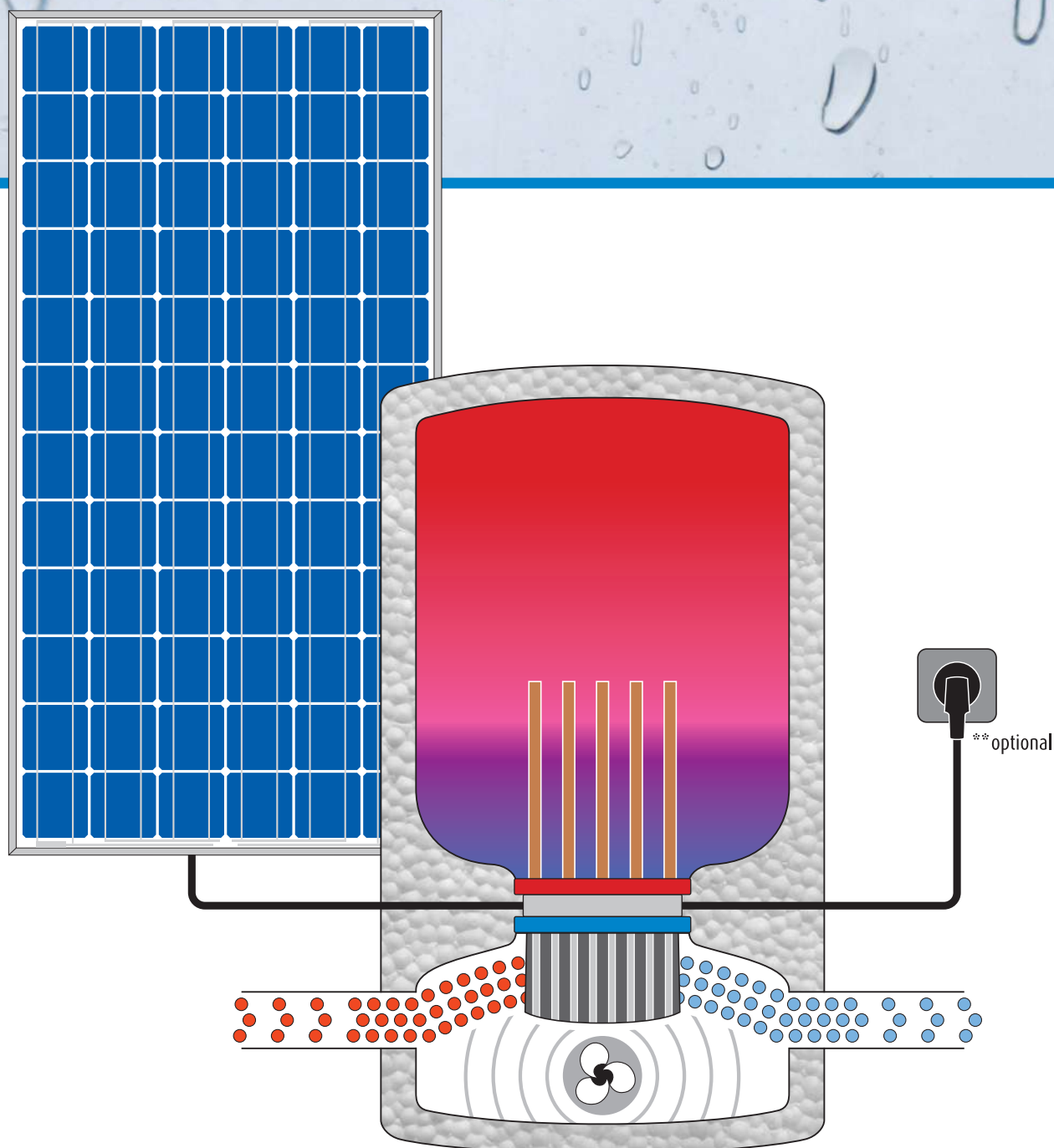




Photovolta thermic AG



**»Heat your water with solar power
at less than half the cost!«**



Technical specifications

water capacity (ltr)	15	35	80
material:	stainless-steel	stainless-steel	stainless-steel
solar module (Wp)	50-75	80-120	160-240
annual harvested energy (kWh/a)*	90-165	144-264	288-528
ext. Powersource**	option	option	option
MPP Tracking	yes	yes	yes
Display	yes	yes	yes

* depending on location and ambient temperature

Heat your water with solar power at less than half the cost!

NEXOL has developed the Photovoltaic principle, a new innovative way of solar water heating. Photovoltaic systems not only harvest the electrical energy from solar cells, in addition to that they also harvest energy from the environment. By doing this the efficiency of the solar cells can be doubled!

Photovoltaic systems have several additional advantages:

Clean green energy without any CO₂ emission

Since the sun is the source of energy.

Unbeatable low energy cost

PV belongs to the cheapest sources of energy.

In case of NEXOL-systems the energy is doubled because in addition energy is absorbed from the environment.

Very long life span

The key components are solid state semiconductors without any degradation.

Much easier installation and by far less installation costs in comparison to solar-thermal systems

The power flows through cables straight from the solar generator.

Solar-thermal systems use insulated tubes and need pumps to transport the energy.

The necessary hardware and installation costs for solar-thermal systems are much higher.

You can use NEXOL water-heaters in your home

NEXOL water-heaters are not only in ecological perspective a perfect option. They also help to reduce costs.

Compared to normal solar-thermal collectors, NEXOL heaters use photovoltaic solar energy. The cost for electricity from photovoltaic is between 4 and 8 ct/kWh depending on the location. In addition, NEXOL water-heaters can double the energy by using a semiconductor as a heat pump.

On top of that, it is far easier and less expensive to install a photovoltaic solar system compared to a solar-thermal system. In a photovoltaic system you only need cables to transport the energy while solar-thermal systems need insulated tubes to transport the heat to a water tank.

NEXOL water-heaters are prepared to work with »stand-alone« PV systems

NEXOL water-heaters are the first that offer an inexpensive and cost efficient way to provide hot water in combination with a »Stand-alone« PV systems used in remote houses and rural electrification.

This is an important step to move people to a new, higher level of energy service. »Stand-alone« PV systems can then become an adequate substitute for the electricity grid.



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