



NEOL

PHOTOVOLTAIC WATER HEATER



Simple Installation

Direct use
of DC elec-
tricity from
PV module



Reliability

High quality
components
Dependable
hot water
On-/offgrid



Intelligent

Heats top of
storage first, to
deliver conti-
nously shower-
ready water



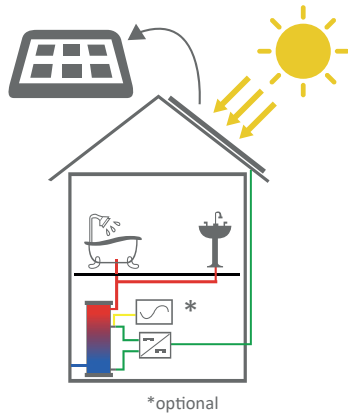
Flexible Use

Works with DC
and AC electricity
Decides auto-
nomous which
source is used,
solar is always
preferred



Hot water for a cool planet!

THE NEX R-SERIES



NEXOL solar water heater NEX R1 and NEX R2 have a heating capacity of 1500W. They allow heating water purely by the installed solar power. On bad solar days, you automatically reheat the tank via mains.

The use of two heating rods NEX R2 enables two-zone heating of the tank. The application of heating zones allows us to provide maximum comfort for the user with the minimum grid power consumption.

ADVANTAGES OF THE NEX R-SERIES

- ✕ Fast and simple use of solar electricity for water heating
- ✕ Easy installation (Plug & Play)
- ✕ High solar coverage achievable
- ✕ Low investment costs
- ✕ Large capacity storage can be served
- ✕ Independent of energy prices and grids

	NEX R1 NEX R2	solar thermal	heat pump	electric boiler
Low energy losses	✓	✗	✓	✗
Easy one person installation	✓	✗	✗	✓
Low energy requirement	✓	✓	✓	✗
Use of regenerative energy	✓	✓	✗	✗
Functionality with only a few hours of sunshine	✓	✗	✓	✓
Low maintenance	✓	✓	✗	✓
Purchase price (for comparable quality)	middle	high	high	low
Operating cost	low	low	middle	high

TWO-ZONE HEATING FUNCTION

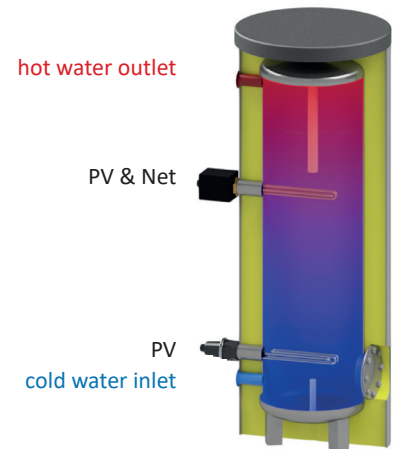
✂ Upper Zone

First, the upper zone of the storage tank near the hot water outlet is heated to 65°C. This enables fast hot water withdrawal. PV is prioritized as operating source.

In case of low solar radiation, the intelligent system reheats the upper zone of the water through the network. Thus, as little grid power as possible is used to provide hot water since only the upper zone needs to be heated for this purpose.

✂ Lower Zone

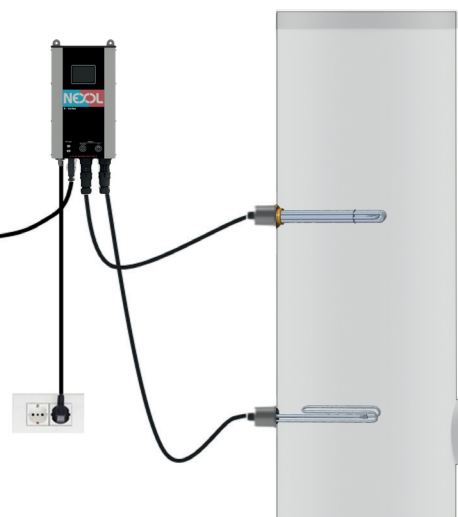
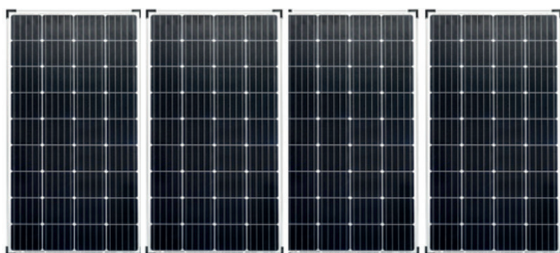
As soon as the upper zone has reached its target temperature, the system switches to the lower screw-in heater and thus heats the entire storage tank. The energy generated by the PV panel is stored in the water.



EASY INSTALLATION

The NEXOL solar water heater NEX R1 and NEX R2 convince with their simple installation. The photovoltaic modules are connected directly to the Nexol Energy Controller using an MC4 connector.

The Energy Controller is additionally supplied with power from the mains via a mains plug. The screw-in heaters are connected to the Energy Controller by plug after installation in the hot water tank.



SPECIFICATION



NEX R2



NEX R1

Number of screw-in heaters

2 screw-in heaters
enable comfortable two-zone heating

1 screw-in heater

Heat element

Max. heating power
mounting dept
Sleeve size
Electrically insulated

	Screw-In Heater
Max. heating power	1,5 kW
mounting dept	350 mm
Sleeve size	1 1/2"
Electrically insulated	

Photovoltaic specifications specs

Maximum usable power
Minimum PV - nominal voltage
Maximum PV - open circuit voltage
Maximum PV - short circuit current
PV connections
MPP-Tracking included

Maximum usable power	1,5 kW
Minimum PV - nominal voltage	100 V
Maximum PV - open circuit voltage	300 V
Maximum PV - short circuit current	15 A
PV connections	MC4
MPP-Tracking included	

Mains connection (optional)

Input Voltage
Input Frequency

Input Voltage	230 V
Input Frequency	50-60 Hz

Features

AC - ready
Anti-Legionella program
Two-Zone heating

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