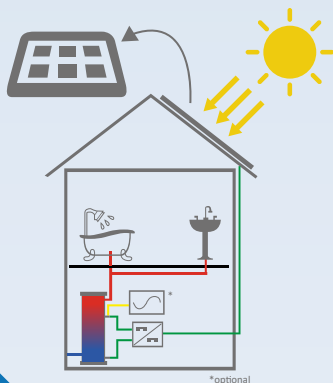


# Photovoltaic water heater



NEXOL solar water heater NEX-R2x120 and modular retrofit sets 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-R2x120 and 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.



## Reliability

High quality components  
Dependable hot water  
On-/offgrid



## Simple Installation

Direct use of DC electricity from PV module possible



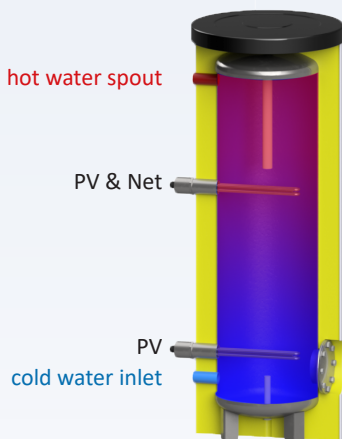
## Flexible Use

Works with DC and AC electricity  
Decides autonomous which source is used, solar is always preferred



## Intelligent

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



### Upper zone

At first, the upper zone of the storage tank near the hot water outlet is heated to 60°C. This enables faster hot water withdrawal. PV is prioritized as an operating source.

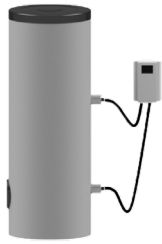
In the case of low solar radiation, the intelligent system reheats the upper zone of the water through the network. Thus, as little grid power as possible is used to provide hot water since only the upper zone needs to be heated for this purpose.

### Lower zone

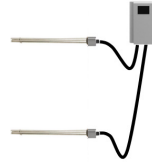
As soon as the upper zone has reached its target temperature, the system switches to the lower heating element and thus heats the entire storage tank. The energy generated by the PV panel is stored in the water.

Hot water for a cool planet!

# SPECIFICATION



**NEX-R2x120**



**NEX-R2**



**NEX-R1**

## Storage tank specification

**Nexol freestanding tank 120L**

- 1450 x ø 500 mm
- Max. 6 bar operating pressure
- 1" water connections

**Not included**

Requirements for third-party tanks:

- Minimum screw-in depth of 400mm
- 1 ½" socket at suitable height

## Number of heating rods

**2 heating rods**

enable comfortable two-zone heating

**1 heating rod**

## Heat element

Max. heating power  
mounting dept  
Electric insulation

	Screw-in heater
Max. heating power	1,5 kW
mounting dept	350mm
Electric insulation	

## Photovoltaic Specifications

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

Maximum usable power	1,5 kW
Maximum PV - open circuit voltage	100-500 V
Maximum PV - short circuit current	15 A
PV connections	MC4
MPP-Tracking included	

## Netzanschluss (optional)

Input Voltage  
Input Frequency

All products are available in the 110V as well as the 230V edition	
Input Voltage	110/230 V
Input Frequency	50-60 Hz

## Features

AC - ready  
Anti-Legionella program  
Two-Zone heating

AC - ready			
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