



HYBRID PHOTOVOLTAIC WATER HEATER 30 LITER & 80 LITER

Hot water through the power of the sun

The photovoltaic hybrid water heater offers the ideal solution for a cost-effective and sustainable hot water supply in your home. Hot water represents 20-40% of a home's energy consumption. fothermo water heaters are the easiest way to harvest the sun's energy directly. Once installed, the water heater produces free hot water through the power of the sun. The photovoltaic water heater with its strong performance serves as a replacement for a classic electric water heater. Automatic reheating via the electricity grid in case of bad weather ensures sufficient hot water even on days without sunlight.



EXTRA LOW VOLTAGE

Due to the low voltage level of less than 50 V, no electrician is required for installation.



EASY INSTALLATION

The photovoltaic modules are connected by simple plug-and-play connections.



INDEPENDENCE

Hot water supply independent of the 230V mains supply. Photovoltaic energy can be used even without a 230V connection.



HOT WATER GUARANTEE

A second 230V heating element with 1 500 W ensures hot water even on days with low sunlight or at night.



QUALITY

Highest quality and safety standards due to safety temperature limit, magnesium anode, enameled protection and non-return valve.



INNOVATIVE MPP TRACKER

Integrated MPP tracker that always ensures the maximum yield of the PV modules.

	UNIT	30 LITER	80 LITER
PHOTOVOLTAIC WATER HEATER			
Product model	–	PVB-30-AC	PVB-80-AC
Volume	l	29	77
Rated pressure	MPa	0,7	0,7
IP class	–	24	24
Gross weight (± 3 %)	kg	15	25
Dimensions (length, width, height)	cm	40 x 40 x 60	47 x 48 x 90
Check and pressure relief valve	–	✓	✓
Cathode protection	–	✓	✓
Emailed protection	–	✓	✓
Insulation	–	✓	✓
Water connection	–	G½ (M)	G½ (M)
Integrated reverse polarity protection	–	✓	✓
Digital display	–	✓	✓
CE - certified	–	✓	✓
PHOTOVOLTAIC INPUT			
Max. photovoltaic heating power	W	550	550
Max. photovoltaic current consumption	A	15,5	15,5
Max. water temperature	°C	65	65
Integrated MPP tracker	–	✓	✓
Recommended photovoltaic power	W _p	300 – 600	600 – 1200
Max. connected photovoltaic power	W _p	2 000	2 000
Max. open circuit voltage	V _{oc}	50	50
Photovoltaic connector	–	MC4	MC4
REHEATING VIA 230 V POWER GRID			
Type of reheating		directly via the wall socket	
Heating power	W	1 500	1 500
Adjustable water temperature range	C°	10 - 65	10 - 65
WATER HEATING DEPENDING ON THE CURRENTLY AVAILABLE PHOTOVOLTAIC POWER			
200 W	°C / h	6	2
400 W	°C / h	12	4,5
550 W	°C / h	16	6
WATER HEATING VIA 230 V POWER GRID			
1 500 W	°C / h	43	16

IN PARTNERSHIP WITH