



OFFGRID PHOTOVOLTAIC WATER HEATER 10 LITER, 30 LITER & 80 LITER

Hot water through the power of the sun

The photovoltaic water heater offers the ideal solution for a cost-effective and sustainable hot water supply in stand-alone systems e.g. garden houses, mountain huts or as drinking water preheating before a heating system.

Once installed, the boiler produces free hot water only through the power of the sun.



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.



OFFGRID

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



INNOVATIVE MPP TRACKER

50% higher yield thanks to innovative MPP tracker that always ensures the maximum yield of the PV modules.



QUALITY

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



GOOD FEELING

Enjoy the good feeling of a free and 100% environmentally friendly hot shower.

	UNIT	10 LITER	30 LITER	80 LITER
PHOTOVOLTAIC WATER HEATER				
Product model	–	PVB-10	PVB-30	PVB-80
Volume	l	9,5	29	77
Rated pressure	MPa	0,7	0,7	0,7
IP class	–	X1	24	24
Gross weight (± 3%)	kg	7,2	15	25
Dimensions (length, width, height)	cm	28 x 28 x 44	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)	G½ (M)
Integrated reverse polarity protection	–	✓	✓	✓
Digital display	–	✓	✓	✓
CE - certified	–	✓	✓	✓
PHOTOVOLTAIC INPUT				
Max. photovoltaic heating power	W	550	550	550
Max. photovoltaic current consumption	A	15,5	15,5	15,5
Max. water temperature	°C	65	65	65
Integrated MPP tracker	–	✓	✓	✓
Recommended photovoltaic power	W _p	100 – 300	300 – 600	600 – 1200
Max. connected photovoltaic power	W _p	2000	2000	2000
Max. open circuit voltage	V _{oc}	42,4	42,4	42,4
Photovoltaic connector	–	MC4	MC4	MC4
REHEATING VIA 230 V POWER GRID				
Type of reheating		Power supply unit(12V, 18V or 24V)		
Heating power	W	60 (12V), 160 (18V) or 240 (24V)		
Adjustable water temperature range	°C	10 - 65	10 - 65	10 - 65
HEATING VIA RECHARGEABLE BATTERY				
Recommended technology		LFP, lead-acid	LFP, lead-acid	
Voltage level	V	12 or 24	24	
WATER HEATING DEPENDING ON THE CURRENTLY AVAILABLE PHOTOVOLTAIC POWER				
200W	°C/h	18	6	2
400W	°C/h	36	12	4,5
550 W	°C/h	50	16	6

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