



PHOTOVOLTAIC BOILER 10 TO 80 LITRE

Hot water through the power of the sun



RENEWABLE

Energy from the power of the sun. 100% renewable and sustainable. Save CO2 and contribute to climate protection.



SAVE COSTS

Hot water thanks to almost free photovoltaic electricity. High economic efficiency due to low investment costs and nearly no operating costs



ON- & OFF-GRID USE

Hot water independent of the power grid and without registration of the photovoltaic system.



PLUG & PLAY

The photovoltaic modules are connected by simple plug and play connections. No electrician is needed.



DIGITAL DISPLAY

An LCD provides information about the system, such as the water temperature and the incoming solar power.



EASY INSTALLATION

Low installation costs: cables instead of pipes.



3 YEARS PRODUCT WARRANTY



MADE IN GERMANY

	UNIT	10 LITRE	30 LITRE	80 LITRE
PHOTOVOLTAIC BOILER				
product model	–	PVB-10	PVB-30	PVB-80
volume	l	10	30	80
max. heating capacity	W	550	550	550
max. power consumption	A	15.5	15.5	15.5
max. voltage	V	42.4	42.4	42.4
energy efficiency class	–	A+	A+	A+
nominal pressure	Bar	7	7	7
IP protection class	–	X1	24	24
weight (± 3 %)	kg	7.2	15	25
max. water temperature	°C	65	65	65
adjustable temperature range for optimum reheating	°C	10-65	10-65	10-65
integrated MPP tracker	–	✓	✓	✓
integrated reverse polarity protection	–	✓	✓	✓
digital display	–	✓	✓	✓
steel boiler with enamel coating	–	✓	✓	✓
CE certified	–	✓	✓	✓
dimensions (length, width, height)	cm	28 x 28 x 44	40 x 40 x 60	47 x 48 x 90
water connection	–	G½ (M)	G½ (M)	G½ (M)
combined non-return and pressure relief valve	–	✓	✓	✓
PHOTOVOLTAIC CONNECTION				
recommended photovoltaic output	W _p	100 – 300	300 – 600	600 – 1200
max. connectable photovoltaic power	W _p	1500	1500	1500
max. open-circuit voltage	V _{DC}	42.4	42.4	42.4
photovoltaic connector	–	MC4	MC4	MC4
HEATING OF THE WATER AS A DEPENDING ON THE POWER				
100 W	°C / h	18	6	2
240 W	°C / h	36	12	4.5
550 W	°C / h	50	16	6

ABOUT FOTHERMO

fothermo is the leading manufacturer of high quality photovoltaic boilers. The development as well as the production of all boilers takes place in Germany. Local and sustainable value creation is particularly important to fothermo.