

POWER KOMBI HEAT PUMP SOLARBOILER



The POWER KOMBI Solution For Heating, Warm Water and Electricity.

The POWER KOMBI Heat Pump Solarboilers belong to the most economical systems for producing warm water and heating for domestic use. The units use freely available renewable energy from sun and air. As a result, these units are very good for the conservation of the environment. Moreover, they are very efficient and as a result, they operate at very low cost. Their efficiency is up to four times higher than those of standard gas or electric heaters. Our Heat Pump Solarboilers can also be combined for higher requirements, e.g. in a commercial environment.

RoHS (Restriction of Hazardous Substances):

Like all other Power Kombi Module products, these Heat Pump Solarboilers fulfil all restrictions regarding the use of Lead, Mercury, Cadmium, Hexavalent Chromium, PBB or PBDE. Therefore, you can be sure about one thing: we take our green mission very responsibly. During the manufacturing process of these Heat Pump Solarboilers, rigorous quality control meets the highest international standards: ISO9001, 14001 und 18001.

The **Advantages** of the POWER KOMBI Heat Pump Solarboilers:

- Certified under CE, RoHS, EN16147, ERP
- Set of tubes located outside of the tank to prevent corrosion
- Intelligent design with a tank from stainless steel or enamel (160 – 260 litres)
- Highly efficient compressor using cooling fluid R410a, LZ > 4
- Automatic de-frosting integrated (with inside cycle inversion valve)
- Electrical heating unit inside as a back-up for emergencies
- Thermostatic or electronic expansion valve
- Air ventilation (in and out) with channel locks for various practical applications
- Integrated ventilation
- Automatic disinfection
- Each unit is generally tested and runs additionally through an operation test in the factory prior to packaging.
- Solar system regulation
- Solar role

Also for
Commercial Use.

Questions?

Phone: +49 – 171 – 58 60 379

● Email: powerkombimodule@gmail.com

Warranty:
3 Years



POWER KOMBI HEAT PUMP SOLARBOILER



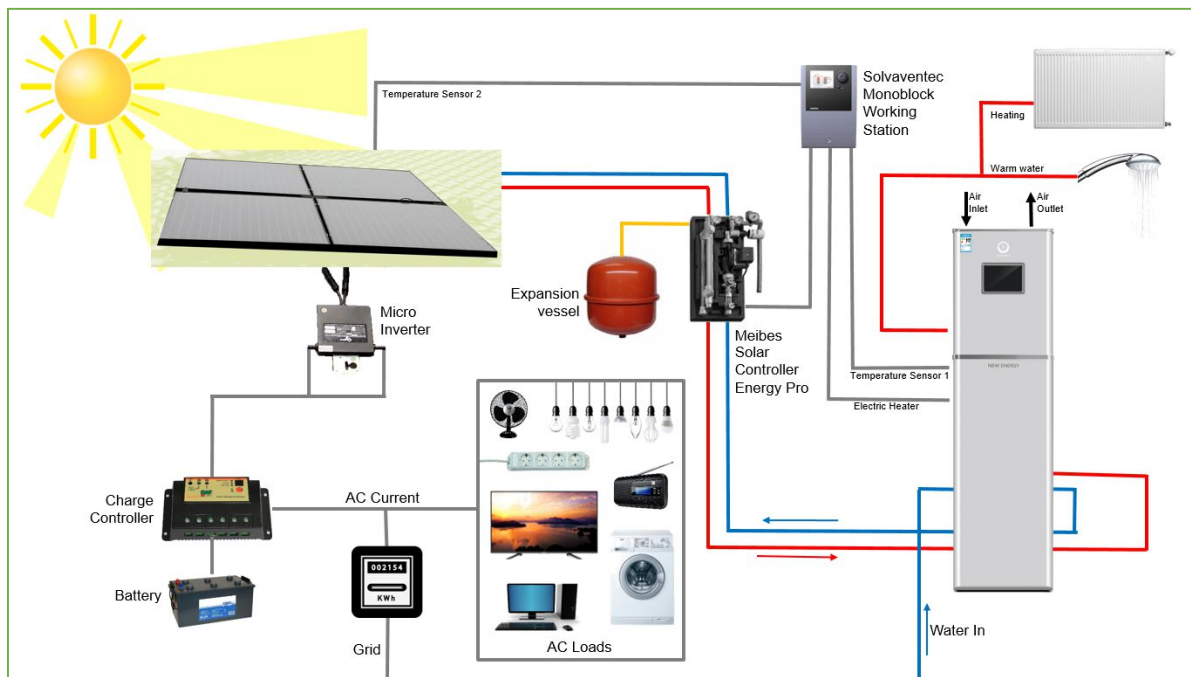
Model		FDV1.5/Y160	NE-B 150/100A	
Rated heating capacity	kW	3,7	3,5 - 7,3	
Input power	W	975	850 - 1.800	
Voltage	V	220V-50Hz	220V-50Hz	
Rated output water temperature	°C	55	60	
Maximum output water temperature	°C	70	70	
Rated output water quantity	L	160	100	
Refrigeration		R410a	R410A	
Control mode		Microcomputer central processor (touch control)		
Compressor	Form	Rotation type		
	Quantity	1	1	
	Brand	Panasonic / Mitsubishi	Mitsubishi DC inverter	
UNIT	Net size	mm	630 x 400 x1825	460 x 515 x 1590
	Weight	kg	91	92
	Noise level	dB(A)	< 50	< 50
Fan	Form	Centrifugal		
	Fan power	W	50	47
Water tank built in	Volume	L	160	100
	Coil		Titanium	Titanium
Ambient temperature		-15°C – 46°C	-25°C – 46°C	
Inlet pipe diameter		DN15	DN15	
Outlet pipe diameter		DN15	DN15	

POWER KOMBI Solutions – for a beautiful future.



The PKM Full System

The warm water systems by Power Kombi Module offer different types of highly efficient Heat Pump Solarboilers for all individual requirements. The pump combines with the PV-T module to create three renewable technologies in one. The three combined technologies work in harmony, actually making each other operate even more efficiently. As a general rule, PV modules work more efficiently in cooler temperatures. That is why the combined dual technologies of a PV-T module create a more efficient panel: the flow of water at the back of the modules acts in cooling down the PV cells, thus increasing panel performance. Furthermore, the addition of a heat pump solar boiler allows a much higher generation of hot water. This also offers the extra benefit of cooling your house during the summer months.



Save 100 % of warm water cost.

Certified from CE, RoHS, EN16147 and ERP.

Get up to 800 litres of hot water within 8 hours.

Eligible for „Renewable Heat Incentive“.

POWER KOMBI MODULE GmbH

Heerstr. 47 ● D – 52538 Selfkant ● www.powerkombimodule.com

Phone: +49 – 171 – 58 60 379 ●

Email: powerkombimodule@gmail.com

Warranty:
3 Years

