SOLAR **KERBEROS**

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330.H Compact | 330.H Compact GSM

PHOTOVOLTAIC WATER HEATING

The SOLAR KERBEROS system is used for economical water heating. It takes full advantage of the **photovoltaic storage heating** and top-level technology of **maximum power point tracking (MPPT).**

The SOLAR KERBEROS system provides **maximum use** of energy generated by photovoltaic modules and **minimizes consumption** of mains electricity through the smart water heating control. The high efficiency is achieved by utilising a maximum power point tracking DC/DC converter. Photovoltaic water heating by SOLAR KERBEROS nevertheless brings **many other benefits.**

BENEFITS

- High savings through modern technology
- High efficiency
- Suitable for any type of hot water tank
- Low roof load
- The cheapest storage of energy
- Efficient operation even during winter
- Easy and fast installation due to integrated distribution box
- Fully autonomous system (even during a power outage)
- Simple adjustable timer for heating
- Efficient utilization of overflows
- Touch screen
- Intuitive operating
- Power supply backup for electrical devices
- Consumption and production monitoring
- Developed and produced in the Czech Republic
- Patented technology
- GSM based remote monitoring (optional)
- Self-diagnostics
- Easy extensibility with new functions

WHERE TO USE

- Residential properties
- Apartment buildings
- Holiday homes
- Commertial buildings
- Industry
- Hospitality industry

Innovative **energy saving** solutions

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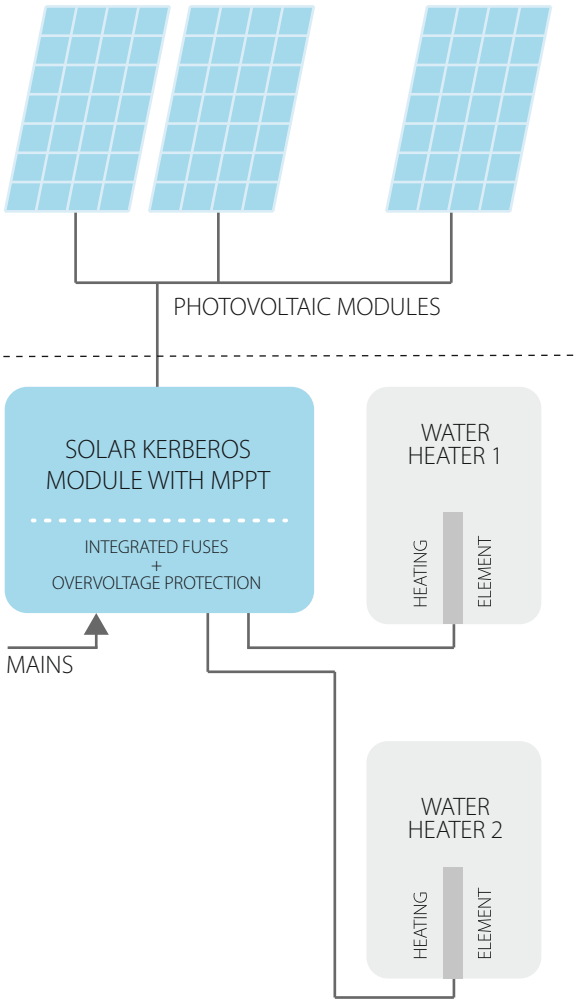
Technical data

Electric data - photovoltaic	
Input open circuit voltage (limits)	200 - 340 VDC
MPP tracking range	140 - 310 VDC
Maximum utilizable current	10 A
Maximum efficiency	99 %
Typical installed power	~2500 Wp

Maximum and minimum input voltage limits must be strictly kept at any solar irradiance and temperature.

Electric data - electricity mains	
Input voltage	230 VAC / 50 Hz
Maximum output current	13 A
Heating element	
Recomended power of heating element	2 - 2,5 kW
Secondary heating element	
Recomended power of heating element	2 - 2,5 kW
Thermal regulators	
Setting range	10 - 80°C
Thermal fuse	Yes - electronic
Working conditions	
Operating temperature	+5 to +40°C
Storage temperature	-10 to +40°C
Operating rel humidity	Max 75% non condensing
Storage relative humidity	Max 75% non condensing
Environment dustiness	Dust particles volume max 0,75 mg/m³
Chemical effects	Non aggressive
Construction parameters	
Dimensions	541 x 294 x 101 mm
Weight	7 500 g
Ingress protection	IP 20



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