SOLAR **KERBEROS**

# SOLAR **KERBEROS**

330.H Compact | 330.H Compact GSM

## FOTOVOLTAICKÝ OHŘEV VODY

The SOLAR KERBEROS system is designed for **energy-efficient water heating**. It leverages the advantages of **photovoltaic storage heating** with maximum power point tracking **(MPPT)**.

The SOLAR KERBEROS solar system ensures **maximum utilization** of energy from photovoltaic panels and **minimizes** grid energy **consumption** through intelligent water heating control. High efficiency is achieved thanks to a DC/DC converter with maximum power point tracking (MPPT).


## VÝHODY

- Easy and quick installation thanks to **the integrated control panel**
- GSM remote monitoring (optional)
- Significant savings thanks to modern technology
- High efficiency
- Compatible with any type of water heater
- Low load on the roof structure
- Most cost-effective storage
- Efficient DHW heating even in winter
- Efficient use of surplus energy
- Option to set a heating schedule
- Fully autonomous system—works even during power outages
- Touchscreen
- Measurement of energy produced and consumed
- Self-diagnostics
- Developed and manufactured in the Czech Republic
- Patented technology

## OBLASTI VYUŽITÍ

- Single-family
- homes Apartment
- buildings
- Recreational
- facilities Hotels,
- restaurants

Industry - industrial water heating

Innovative solutions for **energy savings**

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## Technická data

| Electrical parameters - photovoltaic section | |
|---|---|
| Open-circuit input voltage (limits) | 200–340 VDC |
| MPP tracker range Maximum | 185–310 VDC |
| current | 10 A |
| Maximum efficiency | 99% |
| Typical installed power | ~2500 Wp |

The maximum input voltage must be strictly adhered to under all irradiance and temperature conditions. See the calculation tool at www.solar-kerberos.cz.

| Electrical parameters - grid-connected section | |
|---|---|
| Input voltage Maximum | 230 VAC 50 Hz |
| input current | 13 A |

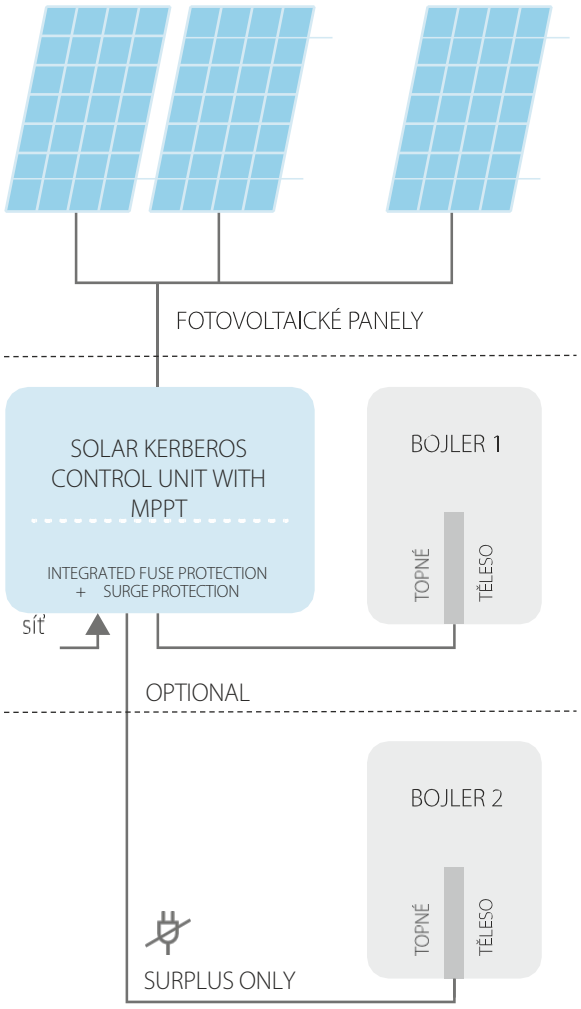
| Output to heating element | |
|---|---|
| Power | Recommended heater power: 2–2.5 kW |

| Output to secondary heating element | |
|---|---|
| Power | Recommended heating element power: 2–2.5 kW |

| Temperature controllers | |
|---|---|
| Setting range | 10–80°C |
| Temperature fuse | ANO - elektronická |

| Operating conditions | |
|---|---|
| Operating temperature | +5 to +40°C |
| Storage temperature | -10 to +40°C |
| Operating relative humidity | Max 75% non-condensing |
| Storage relative humidity | Max 90% non-condensing |
| Ambient dust content | Dust content max. 0.75 mg/m³ |
| Chemical influences | Non-aggressive |

| Design parameters | |
|---|---|
| Dimensions (height x width x | 541 x 294 x 101 mm |
| depth) Weight | 9,500 g |
| Dimensions | IP 20 |




Installation partner:

# Innovative solutions for **energy savings**


UNITES Systems a.s.
Kpt. Macha 1372
Valašské Meziříčí
Czech Republic

Tel.: +420 727 899 441
Email: sales@solar-kerberos.cz
www.solar-kerberos.cz
www.unites-systems.com