



A brand of  
**SONNENKRAFT**

## Plug-In solar module

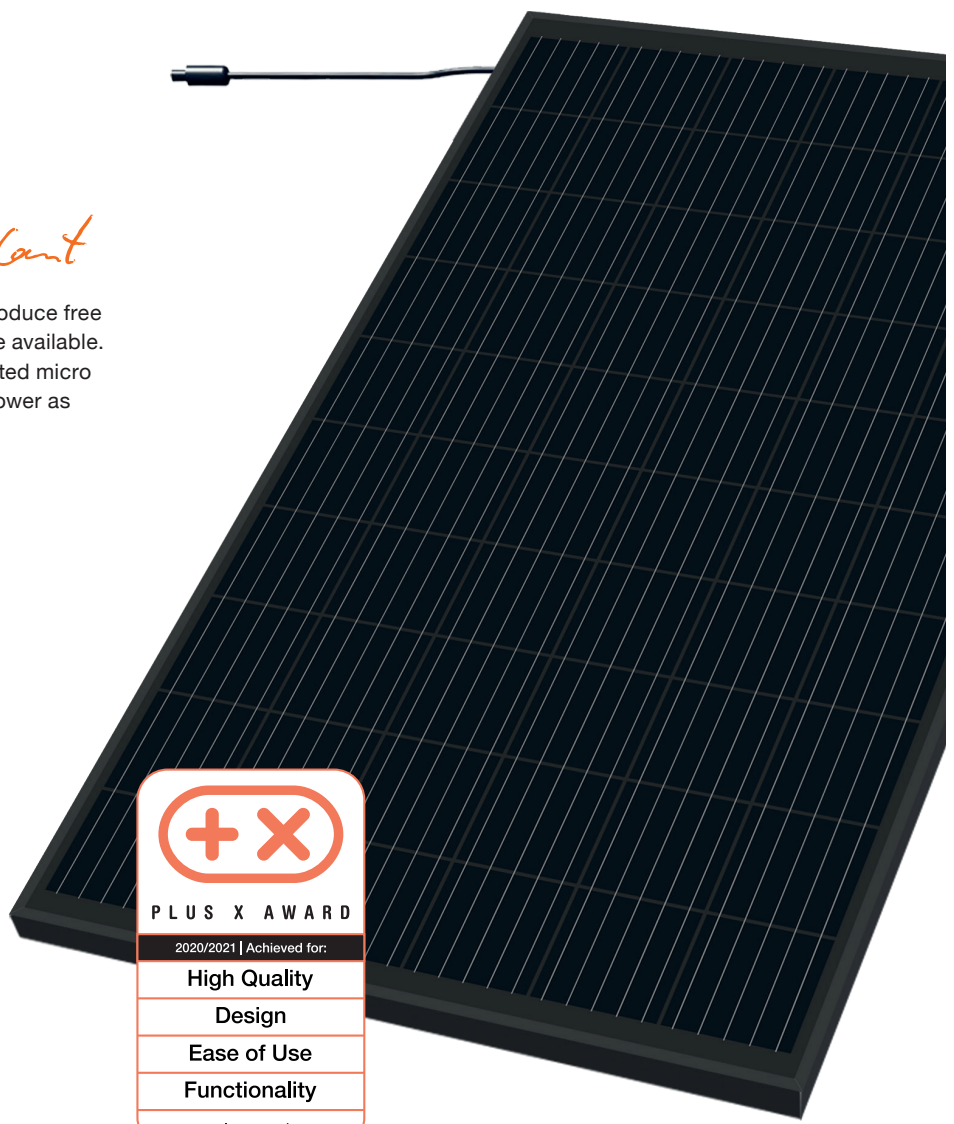
# SONNENKRAFTWERK 300W

*CLEVER!*  
*The mini power plant*

The easy solution for everybody who wants to produce free power from the sun but doesn't have much space available. The SONNENKRAFTWERK modules with integrated micro inverter are a Plug & Play solution that delivers power as soon as it is connected to the grid.

### Advantages:

- // Plug & Play solution
- // Unpack – assemble – plug in: no additional wiring efforts
- // Every module has an output of up to 330 kWh per year (average Central Europe)
- // Micro inverter already integrated, no external inverter necessary
- // Easy access to the power grid up to 800 Wp (Austria)
- // Also suitable for bigger on-roof applications



**PLUS X AWARD**

2020/2021 | Achieved for:

- High Quality
- Design
- Ease of Use
- Functionality

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SONNENKRAFTWERK

KPV ME **300W** SONNENKRAFTWERK

## Module specifications

SONNENKRAFTWERK	P <sub>mpp</sub> [W <sub>p</sub> ]	U <sub>mpp</sub> [V]	I <sub>mpp</sub> [A]	U <sub>oc</sub> [V]	I <sub>sc</sub> [A]	efficiency rate	area per kwp
300W	325W <sub>p</sub>	33,81V	9,65A	40,12V	10,09A	19,30%	5,17m <sup>2</sup>
60 crystalline cells	mono						
Max. system voltage Modul	1000V DC						
Leistungstoleranz	(+5W/-0W) Messung: Standard-Testbedingungen						
Temperaturkoeffizienten	P <sub>mpp</sub> -0,37%/K U <sub>oc</sub> -90,7mV/K I <sub>sc</sub> +2,85mA/K						
Operation temperature	+85°C up to -40°C						
Inverter power (rated)	300 W						
Bypass diodes module	3 pcs.						
Product guarantee	5 years						

## Inverter specifications

Type	mono-phase micro-inverter
Producer	Hoymiles
Type	HM-300 with setup AT or DE
Nominal capacity	300W
Operation temperature	+60°C up to -40°C
Connecting system	Betteri BC01
Test certificates	EN 62109-1:2010; EN 62109-2:2011; EN 62311:2008 EN 301 489-3 V2.1.1; EN 61000-6-1/2/3/4:2007+A1:2011 EN 61000-3-2/3:2013/2014; EN 50549-1:2019 E DIN V 0124-100:(2019-09); VDE-AR-N 4105:2018 DIN VDE 0126-1-1:2013-08 TOR generator Type A version 1.1:2019; OVE-directive R 25:2020
Product guarantee	5 years

## Technical data

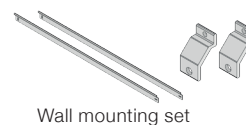
Dimensions	1680 x 1002 x 40mm (+/-2 mm)
Weight	25kg
Design	black anodized frame, Backsheet: front black, back white
Glass specification	4,0 mm high-strength solar glass
Extended hail test	Qualification for HW4
Packaging	Single packaging 15 pcs./pal.

## INTGERATED INVERTER



The module integrated inverter ensures that the current electricity flows into the power grid with that voltage and frequency, which is also used by household appliances.

## OPTIONAL ACCESSORIES



// Standard roof mounting set for PV systems

Wall mounting set

// Wall mounting set for vertical mounting incl. backrails



// Floor mounting set incl. backrails

Floor mounting set

// AC-wiring (3m) for 1-2 modules incl. Schuko- or RST20-plug in

## IT'S SO EASY



Just scan the QR-Code with your smartphone and see the "how it works" video



AC wiring set

// AC-wiring for connecting up to 14 modules

**Note:** Before connecting the SONNENKRAFTWERK to the power grid, contact the local grid operator to obtain the appropriate permits and to comply with the specified connection requirements. The connection should only be made by technically qualified employees. It is the responsibility of the operator/installer to install external switches, connectors and overcurrent protection devices if required.

The customer carries the sole responsibility the the goods ordered and delivered are suitable for his purposes. Application advices, whether verbal, in writing or by making tests are conducted to the best of KIOTO Photovoltaics GmbH's knowledge, whether verbal, in writing or by way of trials or otherwise, is provided to the best of our knowledge, but without any guarantee or liability. Special technical constructions may be subject to of ficial approval. The constructor or the client is responsible for obtaining such of ficial approval. The customer must bear any costs caused by changes or alterations because of special technical constructions, especially for tests or calculations. A project-related, static pre-dimensioning as well as the correct use of the glasses was not carried out or tested by us.  
Measurement tolerance ±3%