



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 325 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

	P_{mpp}[W_p]	U_{mpp}[V]	I_{mpp}[A]	U_{oc}[V]	I_{sc}[A]	efficiency rate	area per kwp
300W SONNENKRAFTWERK	325 Wp	33,81 V	9,65 A	40,12 V	10,09 A	19,30%	5,17m ²
60 crystalline cells	mono						
Max. system voltage Modul	1000V DC						
Power tolerance	(+5W/-0W) Measurement: STC (standard test conditions)						
Temperature coefficients	P _{mpp} -0,37 %/K U _{oc} -90,7 mV/K I _{sc} +2,85 mA/K						
Operation temperature	+85°C up to -40°C						
Bypass diodes Modul	3 pcs.						
Plug-System	Original Stäubli MC4						
Certificates	IEC 61215, Ed. 2 incl. mechanical load test up to 5400 Pa, IEC 61730						

Electrical data

Inverter type	Micro inverter with 1 phase
Manufacturer	Hoymiles
Model	HM-300 with Setup "Austria"
Rated capacity	300 W
Operation temperature	+60°C up to -40°C
Plug-System	Betteri BC01
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
Product guarantee	5 years

Technical data

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

INTEGRATED 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.

IT'S SO EASY



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

OPTIONAL ACCESSORIES



Wall mounting set



Floor mounting set



AC-wiring set

- Standard roof mounting set for PV systems
- Wall mounting set incl. backrails
- Floor mounting set for landscape orientation incl. backrails
- AC-wiring for 1-2 modules incl. RST20-plug and socket
- AC-wiring for connecting up to 14 modules

Note: Before you connect the SONNENKRAFTWERK to the power distribution network, contact the local network operator in order to obtain appropriate permits and to comply with the specified connection conditions. This connection may only be created by technically qualified employees. It is the responsibility of the operator / installer to install external switches, plug connections and overcurrent protection devices if necessary.

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 official 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%