

PLUG-IN MODULE

SONNENKRAFTWERK

SONNENKRAFT

EASY

Plug & Play solution

EFFICIENT

Module-integrated micro-inverter -
connection directly to the socket -
up to 320 kWh / a per module

EXTRA

Can be used for simplified network access of
small generator systems up to 600 Wp (Austria)



TECHNICAL DATA

cell type		mono perc black
Pmpp	Wp	300
Umpp	V	32,68
Impp	A	9,18
Uoc	V	39,36
Isc	A	9,65
Efficiency level	%	18,15
Space requirements/kWp	m ²	5,82

Electrical data

60 crystalline cells	mm	156 x 156
Max. system voltage	V DC	1000
Power tolerance (+5 W/-0 W) Measurement: standard test conditions		
Temperature coefficients		
Pmpp	%/K	- 0,37
Uoc	mW/K	- 90,7
Isc	mA/K	+ 2,85
Max. reverse over current	A	15
Operating temperature	° C	+85 up to -40
Bypass diodes		3 pcs. Tyco SL1515
Product guarantee		5 years

Technical data

incl. aluminium frame	mm	1702 x 992 x 40 (+/- 2)
Weight	kg	23
Glass specification		Solar glass ESG 3,2 mm
Encapsulation material		STRE
Backside material		3-layer foil material
Certificates micro inverter		IEC 62109-1, IEC 62109-2, IEC 55011B, EN 50178, IEC 62103, EMV: EN 61000-6-2, EN 61000-6-3

Extended hail test:

Grainsize	mm	25	55
max. velocity	m/s	46 (165,6 km/h)	33,5 (120,6 km/h)



INTEGRATED MICRO INVERTER



The integrated micro inverter ensures the right voltage and current frequency of the delivered power, which is used by the household devices.



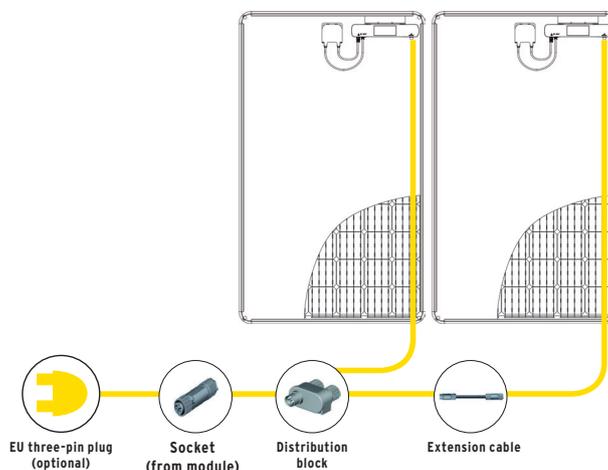
ACCESSORIES (optionally available)



- Pitched roof mounting system
- Mounting system wall
- Cable set for 1 module incl. threepin plug (3m)
- AC wiring for connecting more modules

Example: Connection of 2 / 4 pcs. SONNENKRAFTWERK modules

(Wiring diagrams 1-10 pcs. see www.kiotosolar.com/downloads)



Advantages

- Plug & Play solution
- Unpack - mount - plug in: no additional wiring efforts
- Every module has an output of up to 320 kWh per year (average Central Europe)
- Micro inverter already integrated, no external inverter necessary
- Easy access to the power grid
- Also suitable for bigger on-roof applications