

Plug-In Module

"Mein Kraftwerk"

290 Wp mono

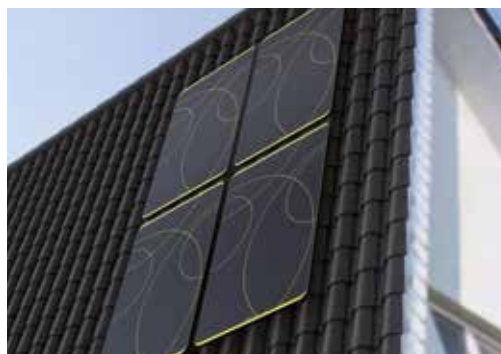
KIOTO
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The mini power plant

The easy solution for everybody who wants to produce free power from the sun but doesn't have much space available. The "Mein-Kraftwerk" module with integrated micro inverter is a Plug & Play solution that delivers power as soon as it is connected to the grid. Also suitable for bigger on-roof applications.

Advantages:

- // Plug & Play solution. Unpack – assemble – 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



MEIN KRAFTWERK

KPV ME NEC 290 Wp mono

Module specifications

Type	Pmpp _[Wp]	Umpp _[V]	Impp _[A]	Uoc _[V]	Isc _[A]	efficiency rate	area per kWp
290 mono PERC	290Wp	31,99V	9,07A	38,12V	9,55A	17,18%	5,82m ²

Electrical data

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

Technical data

incl. aluminium frame	1702 mm x 992 mm x 40 mm (+/- 2 mm)
Weight	23 kg
Glass specification	Solar glass ESG 3,2 mm with high-strength antireflective coating and design print
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 25 mm, max. velocity of 46 m/s (165,6 km/h) and Grainsize 55 mm, max. velocity of 33,5 m/s (120,6 km/h)
Packaging	Single packaging

AC wiring for connecting more modules (optionally available)

Cable set incl. EU three-pin plug (optionally available)

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. three-pin plug (3m)
- // AC wiring for connecting more modules

AE CONVERSION

quality Austria SYSTEM CERTIFIED

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Measurement tolerance ±3%