

## Plug & Play Modules



Eine Marke von  
**SONNENKRAFT**

# Mein-Kraftwerk/SONNENKRAFTWERK

310 Wp mono Mein-Kraftwerk

325 Wp mono SONNENKRAFTWERK

## *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 KRAFTWERK modules with integrated micro inverter are 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 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



## PLUG &amp; PLAY

# KPV ME NEC 310 Wp mono Mein-Kraftwerk

# KPV ME NEC 325 Wp mono SONNENKRAFTWERK

## Module specifications

Mein-Kraftwerk	P <sub>mp</sub> [W <sub>p</sub> ]	U <sub>mp</sub> [V]	I <sub>mp</sub> [A]	U <sub>oc</sub> [V]	I <sub>sc</sub> [A]	efficiency rate	area per kWp
310 mono	310 Wp	32,91 V	9,42 A	39,28 V	9,85 A	18,76%	5,33m <sup>2</sup>
SONNENKRAFTWERK							
325 mono	325 Wp	33,81 V	9,65 A	40,12 V	10,09 A	19,30%	5,17m <sup>2</sup>

## Electrical data

60 crystalline cells	mono
Max. system voltage	1000V DC
Power tolerance	(+5W/-0W) Measurement: STC (standard test conditions)
Temperature coefficients	P <sub>mp</sub> -0,37 %/K    U <sub>oc</sub> -90,7 mV/K    I <sub>sc</sub> +2,85 mA/K
Operating temperature	+85°C up to -40°C
Bypass diodes	3 pcs. Tyco SL1515
Product guarantee	5 years

## Technical data

Mein-Kraftwerk / SONNENKRAFTWERK	1702mm x 992mm x 40mm (+/- 2 mm) / 1680mm x 1002mm x 40mm (+/- 2 mm)
Weight MKW/SKW	23kg / 25kg
Glass specification MKW/SKW	3,2 mm / 4,0 mm high-strength solar glass
Certificates micro inverter MKW	IEC 62109-1, IEC 62109-2, IEC 55011B, EN 50178, IEC 62103, EMV: EN 61000-6-2, EN 61000-6-3
Certificates micro inverter SKW	DIN V VDE V 01261-1, DIN V VDE V 0126-1-1/A1, VDE-ARN4105: 2012-08, DIN VDEV 0124-100, EN G2109-1:2010, EN62109-2: 2011, EN 6100-6, EN 50438:2013
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 15 pcs./Pal.

## MEIN-KRAFTWERK-MODULE



The Mein-Kraftwerk-Module has an integrated micro-inverter. You don't need an external inverter, so there's no additional effort for wiring.

## SONNENKRAFTWERK-MODULE



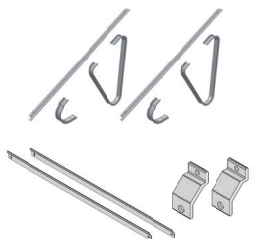
The module integrated inverter ensures that the current electricity flows into the power grid with that voltage and frequency, which is also used by household appliances.

## ACCESSOIRES (OPTIONAL)



- Standard roof mounting set for PV systems
- Facade mounting set
- AC-wiring for 1-2 modules incl. Schuko plug in (3m)
- AC-wiring for connecting 2-5 modules

## ACCESSOIRES (OPTIONAL)



- Standard roof mounting set for PV systems
- Facade mounting set
- Wall mounting set
- AC-wiring for 1-2 modules incl. Schuko plug in (3m)
- AC-wiring for connecting up to 14 modules