

PLUG & PLAY MODULE

SONNENKRAFTWERK / MEIN-KRAFTWERK

SONNENKRAFT

EASY

ready-to-use Plug & Play solution

EFFICIENT

connect up to 2 modules directly into the socket or several modules in the electrical cabinet

EXTRA

simplified network access of small generator plants up to 800 Wp (Austria)



TECHNICAL DATA

Module data

		MEIN-KRAFTWERK-MODULE	SONNENKRAFTWERK-MODULE
Module type		310 mono	325 Wp
Cell type		mono black	mono black
Pmpp	Wp	310	325
Umpp	V	32,91	33,81
Impp	A	9,42	9,65
Uoc	V	39,28	40,12
Isc	A	9,85	10,09
Efficiency	%	18,76	19,30
Space requirements/kWp	m ²	5,33	5,17

Electrical data

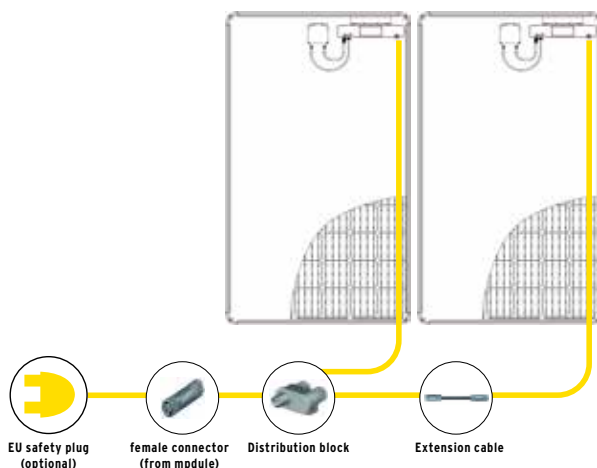
Max. system voltage	V DC	1000	
Power tolerance		(+5 W/-0 W) Measurement: standard test conditions	
Ambient temperature	° C	+85 to -40	
Bypass diodes		3 pcs. Tyco SL1515	
Product warranty		5 years	

Technical data

incl. Aluminium frame	mm	1702 x 992 x 40 (+/- 2)	1680 x 1002 x 40 (+/-2)
Weight	kg	23	25
Glas specifications		3,2 mm tempered solar glass	4,0 mm tempered solar glass
Test certificates micro inverters		IEC 62109-1, IEC 62109-2, IEC 55011B, EN 50178, IEC 62103, EMV: EN 61000-6-2, EN 61000-6-3	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

INTERCONNECTION EXAMPLE 2 PCS. MEIN KRAFTWERK MODULES

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



MEIN-KRAFTWERK-MODULE

INTEGRATED INVERTER



The Mein-Kraftwerk module has an integrated microinverter. There is no need for an external inverter, so there is no need for cabling and wiring.

OPTIONAL ACCESSORIES



- Wall mounting set
- Wall mounting set for 1 module
- AC-cable set for 1 module incl. safety plug (3m)
- AC-cable for connecting of 2-5 modules



SONNENKRAFTWERK-MODULE

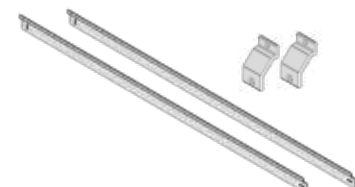
INTEGRATED INVERTER



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.

MOUNTING SETS

- Roof mounting possible with all standard mounting systems
- Wall mounting or floor mounting set
- AC cabling set for 1-2 modules including safety plug or RST16 connector (3m)
- AC cabling to connect up to 14 modules



Wall mounting set (SKW/BEF) incl. backrails



Floor mounting set (SKW/BA) for landscape format mounting only incl. backrails