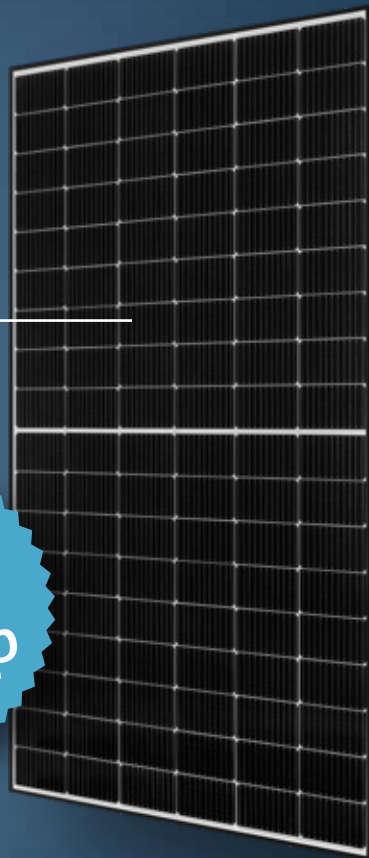


Energy + Home Automation

Photovoltaic module

KOPP-405Wp

Half cell photovoltaic module, with 108 monocrystalline/PERC half cells (mono), *STC-Leistung: 405 Wp*, anodized aluminum frame



Max. power
at STC:
405 Wp

Product features

- ✓ Higher output power
- ✓ Less shading loss
- ✓ Better mechanical loading tolerance
- ✓ Less power loss



Guarantee on product material and workmanship



linear power output warranty (83% of nominal power)

Clever sein.
Kopp einschalten.

Kopp

Product	
Article number:	431240008
Product description:	KOPP-J1.PV-Mod.HZ-405Wp-sw
EAN-Code:	4008224675673

Dimensions, Weight, Color	
Height / Width / Depth:	1722 x 1134 x 30 mm
Weight:	21.5 kg
Color:	black

Specifications	
Solar Cells:	PERC Mono (108 pcs)
Front Glass:	3.2 mm AR coating tempered glass, low iron
Frame:	Anodized aluminium alloy
Junction Box:	IP68, 3 diodes
Output Cable:	4.0 mm ² , 1200 mm(+) / 1200 mm(-)
Mechanical Load:	Front side: 5400 Pa Back side: 2400 Pa

General	
Maximum Power at STC (Pmp):	405.00
Open Circuit Voltage (Voc):	37.23
Short Circuit Current (Isc):	13.87
Maximum Power Voltage (Vmp):	31.21
Maximum Power Current (Imp):	12.98
Module Efficiency at STC (ηm):	20.70
Power Tolerance:	0 – 5 W
Maximum System Voltage:	1500 VDC
Maximum Series Fuse Rating:	25 A

Quality certificates	
Quality systems	ISO 9001 + 14001 + 45001 IEC 61215 + IEC 61730

Certifications	
CE Declaration of Conformity:	yes
TÜV South:	yes

Environmental conditions	
Temperature coefficient Pmax:	-0.35 %/°C
Temperature coefficient Voc:	-0.27 %/°C
Temperature coefficient Isc:	+0.045 %/°C
Operating temperature:	-40 °C – +85 °C
Nominal operating temperature of the cell:	45 ± 2 °C

