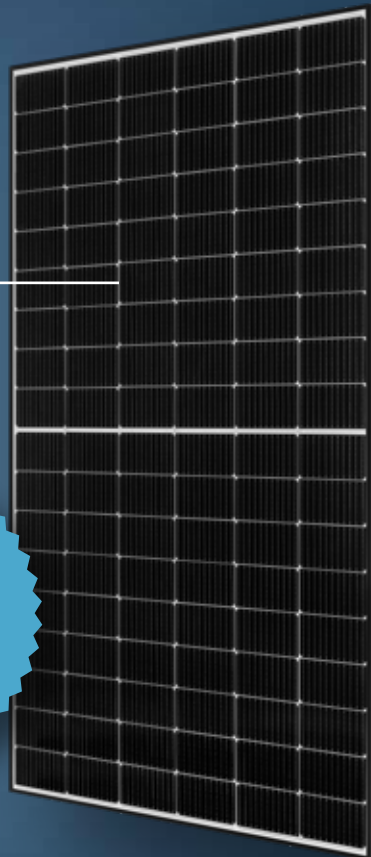


Energy + Home Automation

Photovoltaic module

KOPP 410Wp Black Frame

Mono 11BB PERC cells, half-cell configuration, Monocrystalline PV Module, *STC power: 410 Wp*



Max. power at STC:
410 Wp

Product features

- ✓ Higher output power
- ✓ Less shading and lower resistive loss
- ✓ PID Protection
- ✓ Resistant to harsh environments
- ✓ New circuit design with MBB Style Cells



Guarantee on product material and workmanship



linear power output warranty (83% of nominal power)

Clever sein.
Kopp einschalten.

Kopp

Product	
Article number:	431241504
Product description:	KOPP-J1.PV-Mod.HZ-410 Wp
EAN-Code:	4008224677264

Dimensions, Weight, Color	
Height / Width / Depth:	1722 x 1134 x 30 mm
Weight:	21.5kg ± 3%
Color:	black

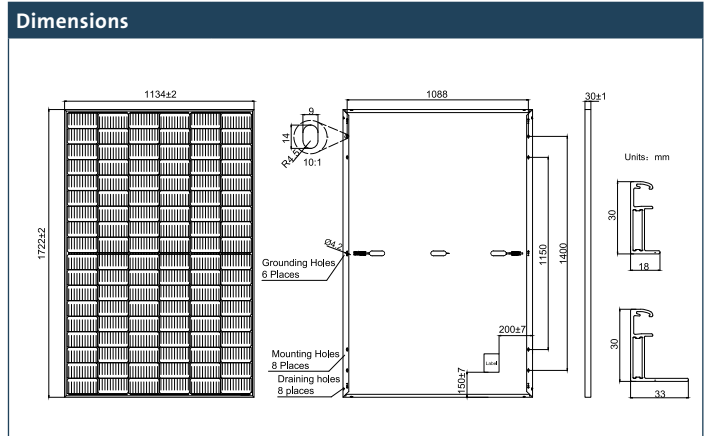
Specifications	
Solar Cells:	Mono 108 (6 × 18)
Front screen:	3.2 mm AR coating tempered glass, high light transmission
Frame:	aluminium alloy
Junction Box:	IP68, 3 diodes
Output cable:	4mm², 1200mm (+) / 1200mm (-), Connectors: Stäubli MC4
Mechanical Load:	Front side: 5400 Pa / Back side: 2400 Pa

General	
Maximum Power at STC (Pmp):	410
Open Circuit Voltage (Voc):	37.32
Short Circuit Current (Isc):	13.95
Maximum Power Voltage (Vmp):	31.45
Maximum Power Current (Imp):	13.04
Module efficiency (%):	21.0
Maximum System Voltage:	1500V DC
Maximum Series Fuse Rating:	25 A

Operating conditions	
Temperature coefficient Pmax:	-0.35 %/°C
Temperature coefficient Voc:	-0.275 %/°C
Temperature coefficient Isc:	0.045 %/°C
Operating temperature:	-40°C – +85°C
Nominal operating temperature of the cell:	45°C ± 2°C
Modules / Pallets:	36
Modules/Container (40'HQ):	936

Quality certificates	
Quality systems:	IEC 61215 + IEC 61730

Certifications	
CE Declaration of Conformity:	yes
TÜV Süd:	yes



Curves

