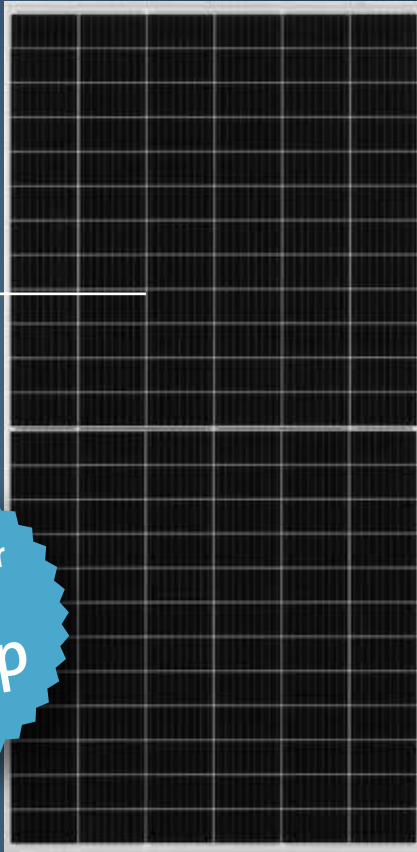


Energy + Home Automation

# Photovoltaic module

## KOPP 410Wp

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:      | 431241016                |
| Product description: | KOPP-J1.PV-Mod.HZ- 410Wp |
| EAN-Code:            | 4008224677257            |

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

| 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:    | 4 mm <sup>2</sup> , 1200 mm (+) / 1200 mm (-), 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 |

