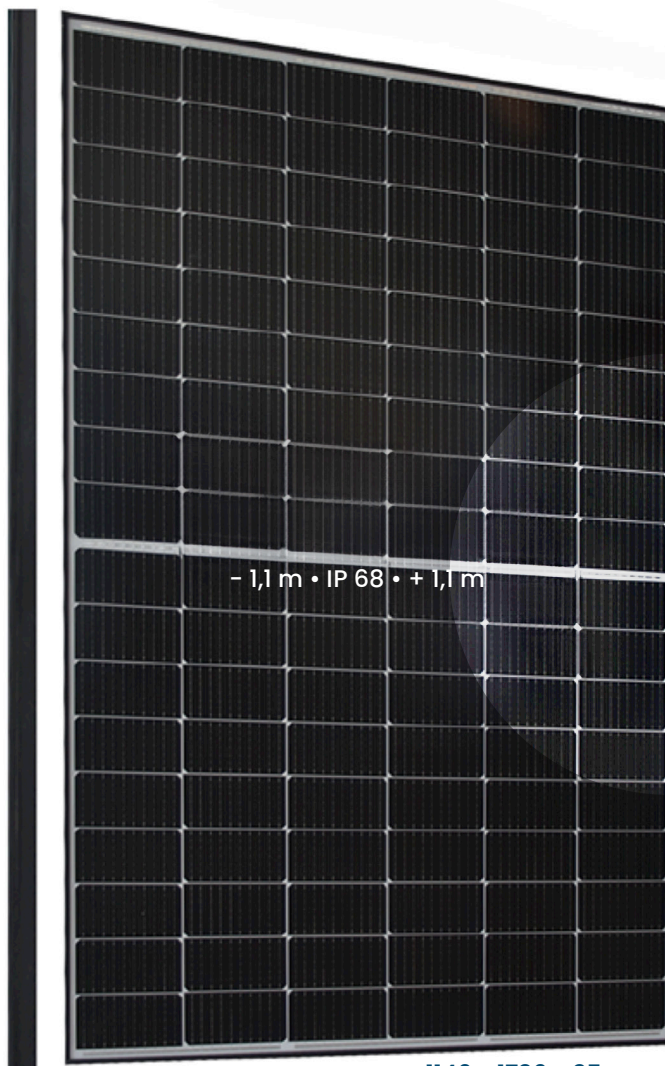


Solarcells Performance

Technology and performance



1146 x 1736 x 35 mm

Electrical characteristics

Monocrystallin Half-Cut

PMAX (Wc)	420
U _{mpp} (V)	32,35
U _{oc} (V)	38,21
I _{sc} (A)	13,60
I _{mpp} (A)	12,98

• Maximum system voltage: 1000 V DC

Positive tolerance range 0/+5Wp. Values under STC conditions:
Radiation 1000 W/m². AM 1.5 and cell T° of 25°C.

Technical specifications

- Glass: 3.2mm tempered anti-reflective glass
- Frame: Black anodised aluminium
- Backsheet : PET – Coated white
- Junction box: IP68
- Bypass diodes 18A: 3
- Maximum load: 2400 N/m²
- Weight: 22,5Kg

Temperature coefficients

- NOCT: 45°C +/-2°C
- P_{mpp} : -0.390 %/°C
- Voltage with respect to U_{oc} : -0.300 %/°C
- Current with respect to I_{sc} : 0.060 %/°C
- Operating temperature -40 to +85°C

Certifications and guarantees

- IEC 61215 & IEC 61730 (2016)
- Excellent mechanical load resistance, tested at 2400 Pa
- Full guarantee: 25 years
- Guarantee at 85% linear P_{max}: 25 years
- Electroluminescence: 100% tested
- Local production

Performance

