





High performance dual-Glass photovoltaic modules


5BB PERC MONO CRYSTALLINE MODULE 375 - 385 WATT




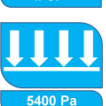
Key features:


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10 years manufacturer's warranty
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Positive power tolerance is Guaranteed (0 to 5 Wp)
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Excellent low light performance
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Excellent outstanding weather-resistance
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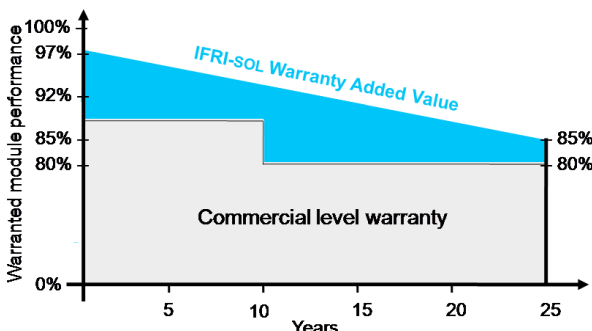
Maximum 5400 Pa snow load
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Maximum 2400 Pa wind load

Linear high performance guarantee

10 years manufacturer's guarantee on 92 % of the nominal performance¹

25 years manufacturer's guarantee on 85 % of the nominal performance¹



Management system TÜV-Certified
DIN ISO 9001:2008
ID 9102077424

¹According to the IFRI-SOL Product and Performance Guarantee

Electrical specification

| Module type | Nominal power P _{mp} | Nominal voltage U _{mp} | Nominal current I _{mp} | Open circuit voltage U _{oc} | Short circuit current I _{sc} | Module conversion efficiency |
|-------------|-------------------------------|---------------------------------|---------------------------------|--------------------------------------|---------------------------------------|------------------------------|
| IF-GM375-72 | 375 Wp | 39.98V | 9.38A | 48.72V | 9.84A | 19.10% |
| IF-GM380-72 | 380 Wp | 40.27V | 9.44A | 49.03V | 9.91A | 19.35% |
| IF-GM385-72 | 385 Wp | 40.56V | 9.50A | 49.34V | 9.98A | 19.61% |

Electrical data at STC (STANDARD TEST CONDITIONS): 1000W/m² irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3, NOCT

| Module type | Nominal power P _{mp} | Nominal voltage U _{mp} | Nominal current I _{mp} | Open circuit voltage U _{oc} | Short circuit current I _{sc} |
|-------------|-------------------------------|---------------------------------|---------------------------------|--------------------------------------|---------------------------------------|
| IF-GM375-72 | 278 Wp | 36.88V | 7.52A | 44.85V | 7.92A |
| IF-GM380-72 | 281Wp | 37.13V | 7.57A | 45.08V | 7.98A |
| IF-GM385-72 | 284Wp | 37.38V | 7.62A | 45.31V | 8.04A |

Electrical under nominal operation cell temperature, 800W/m² irradiance, 20°C cell temperature, AM1.5g spectrum according to EN 60904-3, wind speed 1 m/s

Design

| | |
|-------------|--|
| Front glass | 2 mm High transmission, Anti-Reflection coating, semi-tempered glass |
| Encapsulant | Ethylene Vinyl Acetate (E.V.A) |
| Cell | 5BB PERC monocrystalline high efficiency / 60 pcs |
| Back Glass | 2 mm Semi-tempered glass |

Limit values

| | |
|-----------------------|----------------------|
| System voltage | 1500VDC |
| NOCT | 45±2°C |
| Rated current | 16A |
| Operating temperature | From -40°C to 85°C |
| Maximum load | 2400N/m ² |

Mechanical specification

| | |
|--------------------|---|
| Dimensions (H×W×D) | 1977mm × 993mm (1977mm×993mm×22mm with junction box) |
| Weight | 28Kg |

Temperature coefficients

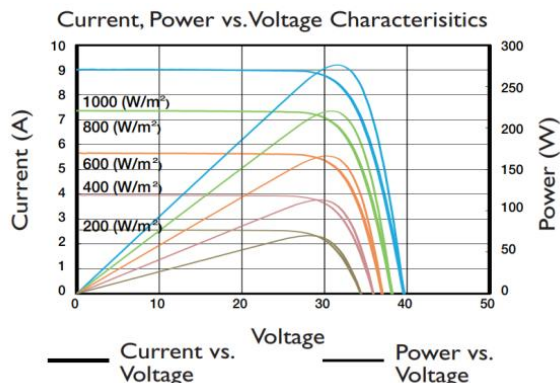
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|-------------------------|-----------|
| Voltage U _{oc} | -0.30%/°C |
| Current I _{sc} | +0.06%/°C |
| Output power | -0.38%/°C |

Power connection

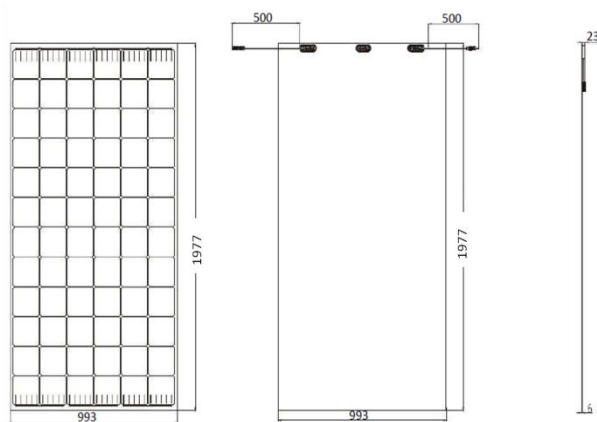
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|-------------------|---|
| Junction box | 3 * IP67 junction box / 3 bypass diodes |
| Cable solar cable | Length 500 mm, 4mm ² Prefabricated with MC4-combined plug |
| Applicaton class | Class A (according to IEC 61730) |

Packaging specification

| | |
|-------------------------------|--------------------------|
| Dimensions (H×W×D) | 2000mm × 1110mm × 1160mm |
| Modules Qty per carton | 30 |
| Modules Qty per container 20" | 300 |
| Modules Qty per container 40" | 660 |



Drawings



Technical data are subject to change without prior notice, errors excepted.