BISOL XL Series
Monocrystalline Full-Square PV Modules / BXO 385-400 Wp

- Designed & manufactured in EU
- Strictly positive output power tolerances
- PID free
- All relevant certificates
- Module presorting for higher profitability
- Supremely low degradation
-Module efficiency up to 20.5%
- Up to 13% higher real-life performance
- Excellent low light performance

Guarantees:
- Linear guarantee: 85% power output in 25th year
- Product guarantee: 15 years

In compliance with:

Certificates available upon special request. Additional charges may apply.
**Dimensions**

- **Frame cross section:** 40 mm x 991 mm
- **Module type:** BXO
- **Nominal Power:**
  - 385 W
  - 390 W
  - 395 W
  - 400 W
- **Short Circuit Current:**
  - 9.80 A
  - 9.90 A
  - 9.95 A
  - 10.00 A
- **Open Circuit Voltage:**
  - 51.2 V
  - 51.3 V
  - 51.5 V
  - 51.6 V
- **MPP Current:**
  - 9.15 A
  - 9.25 A
  - 9.35 A
  - 9.40 A
- **MPP Voltage:**
  - 42.1 V
  - 42.2 V
  - 42.2 V
  - 42.5 V
- **Solar Cell Efficiency:**
  - 21.2%
  - 21.5%
  - 21.8%
  - 22.0%
- **Module Efficiency:**
  - 19.8%
  - 20.0%
  - 20.3%
  - 20.5%

**Electrical Specifications @ NOCT (AM1.5, 800 W/m², 20 °C, wind: 1m/s; Cell Temperature 44 °C):**

<table>
<thead>
<tr>
<th>Module Type</th>
<th>BXO</th>
<th>385</th>
<th>390</th>
<th>395</th>
<th>400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Power</td>
<td>$P_{MPP}$ [W]</td>
<td>285</td>
<td>289</td>
<td>293</td>
<td>296</td>
</tr>
<tr>
<td>Short Circuit Current</td>
<td>$I_{SC}$ [A]</td>
<td>7.91</td>
<td>7.99</td>
<td>8.03</td>
<td>8.07</td>
</tr>
<tr>
<td>Open Circuit Voltage</td>
<td>$V_{OC}$ [V]</td>
<td>48.3</td>
<td>48.3</td>
<td>48.5</td>
<td>48.7</td>
</tr>
<tr>
<td>MPP Current</td>
<td>$I_{MPP}$ [A]</td>
<td>7.38</td>
<td>7.46</td>
<td>7.55</td>
<td>7.59</td>
</tr>
<tr>
<td>MPP Voltage</td>
<td>$V_{MPP}$ [V]</td>
<td>38.6</td>
<td>38.7</td>
<td>38.8</td>
<td>39.0</td>
</tr>
</tbody>
</table>

**Thermal Specifications:**

- **Current Temperature Coefficient:** $\alpha = +0.046 \%/K$
- **Voltage Temperature Coefficient:** $\beta = -0.30 \%/K$
- **Power Temperature Coefficient:** $\gamma = -0.39 \%/K$
- **NOCT:** 44 °C
- **Temperature range:** -40 °C to +85 °C

**Mechanical Specifications:**

- **Length x Width x Thickness:** 1,966 mm x 991 mm x 40 mm
- **Weight:** 22 kg
- **Solar Cells:** 72 mono c-Si in series / 158.75 mm x 158.75 mm
- **Junction Box / Connectors:** Three bypass diodes / MC4 compatible / IP 67
- **Frame:** Anodized Al with drainage holes / rigid anchored corners
- **Glass:** 3.2 mm glass with anti-reflective coating / tempered / high-transparency / low-iron content
- **Packaging:** 27 modules per pallet / stackable 3 pallets high
- **Certified Nominal Load (snow/wind):** 5,400 Pa / 2,400 Pa
- **Impact resistance:** Hailstone / Ø 25 mm / 83 km/h (51 mph)

Tolerances of values are ±5 %. Unspecified product properties remain under full discretion of BISOL.

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