

SUPREME

BISOL Supreme™

Monocrystalline PV Module BDO 435 Wp



The one & only in the world with **25 years of 100 % Output Power Guarantee**



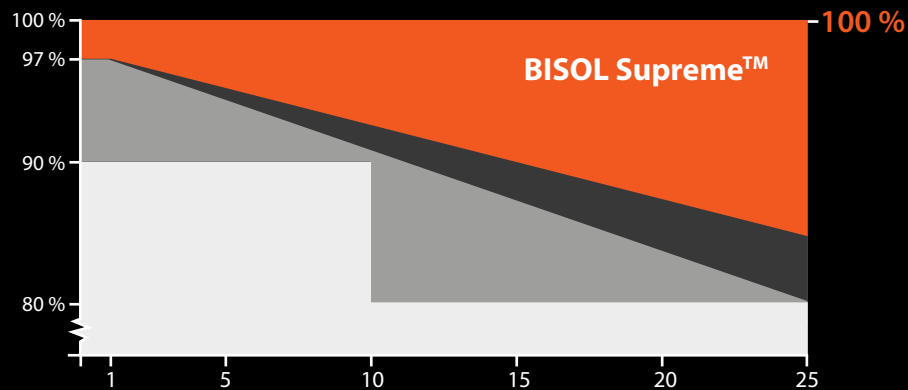
100 % Output Power Guarantee



0 % Effective Degradation Rate



+11 % More Energy



- Specialized equipment, materials tested to destruction, unique processes
- Individualised QR code
- Improved temperature coefficients
- Lower NOTC
- PID, LID and other ID free
- 25-year product guarantee

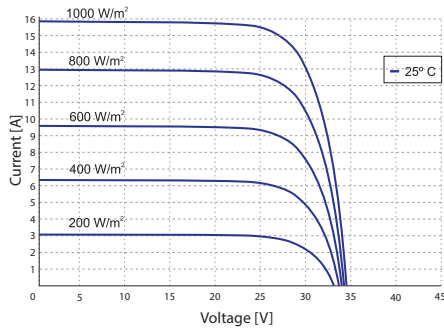


Get your
BISOL Supreme™ Cashback.

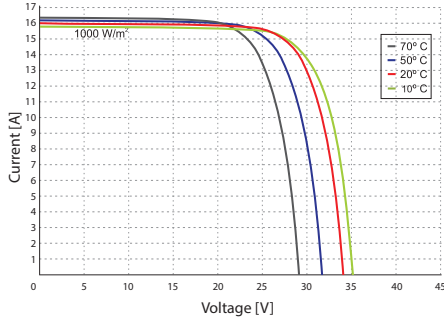


Limited to 30 MW per BISOL client

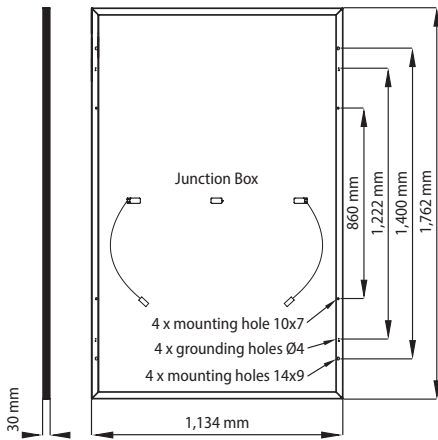
I-V Curve at Various Irradiation Levels



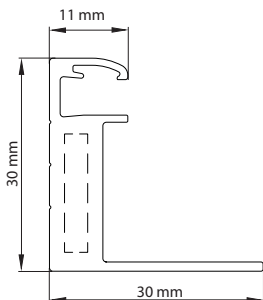
I-V Curve at Various Cell Temperatures



Dimensions



Frame Cross Section



Electrical Specifications @ STC (AM 1.5, 1,000 W/m², 25 °C):

| Module Type | BDO | 435 |
|-------------------------|---------------|----------|
| Nominal Power | P_{MPP} [W] | 435 |
| Short Circuit Current | I_{SC} [A] | 15.9 |
| Open Circuit Voltage | V_{OC} [V] | 34.2 |
| MPP Current | I_{MPP} [A] | 14.7 |
| MPP Voltage | V_{MPP} [V] | 29.6 |
| Module Efficiency | η_M [%] | 21.8 |
| Cell Efficiency | η_C [%] | 23.7 |
| Power Output Tolerance | | 0/+10 W |
| Maximum Reverse Current | | 30 A |
| Maximum System Voltage | | 1,500 V |
| Protection Class | | Class II |

Additional power classes available upon request. I Efficiency at irradiation 200 W/m²: 99.3 % of STC efficiency or higher. I Tolerances for V_{OC} and I_{SC} and other electrical parameters are ± 3 %.

Thermal Specifications:

| | | |
|---------------------------------|----------|--------------------|
| Current Temperature Coefficient | α | + 0.07 %/°C |
| Voltage Temperature Coefficient | β | - 0.29 %/°C |
| Power Temperature Coefficient | γ | - 0.29 %/°C |
| NOCT | | 42 °C \pm 3 °C |
| Temperature Range | | - 40 °C to + 85 °C |

Mechanical Specifications:

| | |
|-----------------------------------|---|
| Length x Width x Thickness | 1,762 x 1,134 x 30 mm |
| Weight | 21 kg |
| Solar Cells | 96 Half-Cut c-Si / 182.25 x 105 mm |
| Junction Box / Connectors / IP | 3 bypass diodes / MC4 compatible / IP 68 |
| Cable Length | Default: 1,200 mm On demand (for portrait orientation): 300 mm |
| Frame | Anodized Al with mounting and drainage holes / rigid anchored corners. |
| Glass | 3.2 mm AR coating tempered glass / high-transparency / low-iron content |
| Certified Test 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 Production.

In Compliance With:



Certificates available upon special request. Additional charges may apply.

Packaging Information:

| | | | | |
|--------------------|--|-----------|----------------|--------------------------|
| Modules per Pallet | Packing Dimension: Length/Width/Height | Stackable | Packing Weight | Tot. Nr. of Pallets/Load |
| 35 | 178 x 116 x 128 cm | 3 pallets | 759 kg | 28 |

Additional terms & conditions apply. Please see *Standard Limited Guarantee* and *General Sales Terms & Conditions*.

© BISOL Production Ltd. February 2025. All rights reserved. All information presented in this document is subject to change without prior notice and serve for informative purposes only.