

SUPREME

# BISOL Supreme™

Monocrystalline PV Module BDO 400 Wp



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



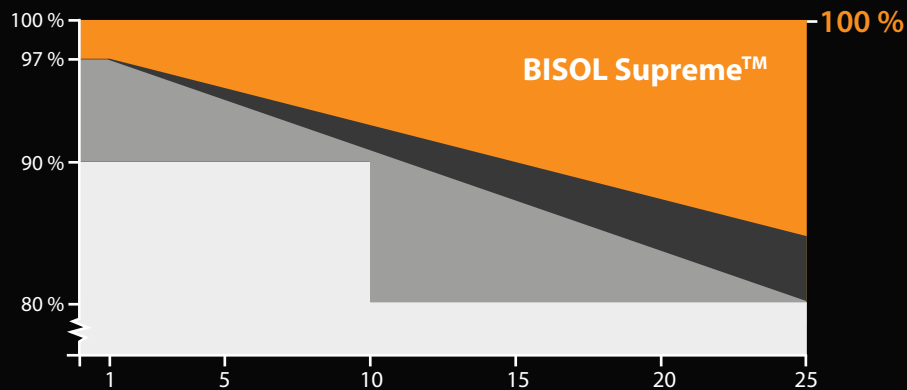
100 % Output Power Guarantee



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

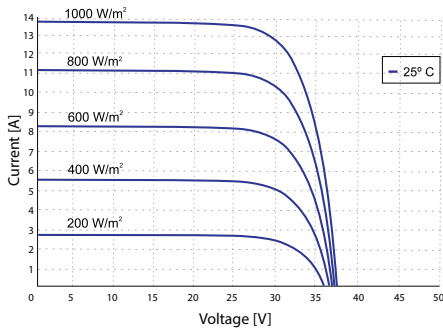


Get your  
**BISOL Supreme™ Cashback.**

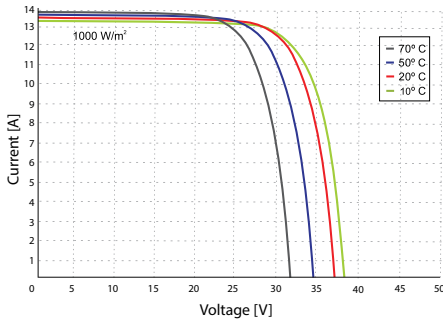


Limited to 30 MW per BISOL client

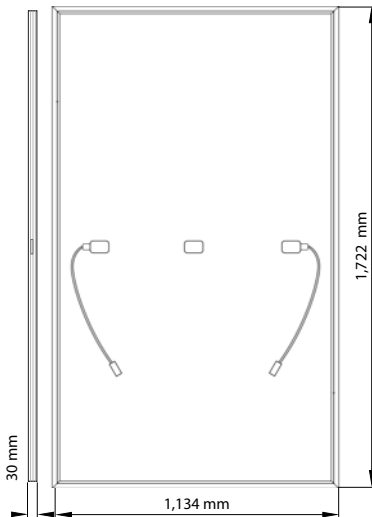
### I-V Curve at Various Irradiation Levels



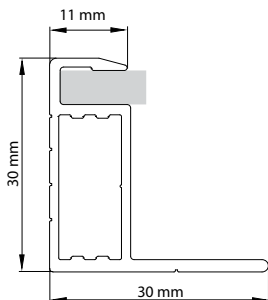
### I-V Curve at Various Cell Temperatures



### Dimensions



### Frame Cross Section



### Electrical Specifications @ STC (AM 1.5, 1,000 W/m<sup>2</sup>, 25 °C):

Module Type	BDO	400
Nominal Power	$P_{MPP}$ [W]	400
Short Circuit Current	$I_{SC}$ [A]	13.0
Open Circuit Voltage	$V_{OC}$ [V]	39.5
MPP Current	$I_{MPP}$ [A]	12.3
MPP Voltage	$V_{MPP}$ [V]	32.6
Module Efficiency	$\eta_M$ [%]	20.5
Power Output Tolerance		0/+10 W
Maximum Reverse Current		25 A
Maximum System Voltage		1,500 V
Protection Class		Class II

Additional power classes available upon request. I Efficiency at irradiation 200 W/m<sup>2</sup>: 99.3 % of STC efficiency or higher. I Tolerances for  $V_{OC}$  and  $I_{SC}$  and other electrical parameters are  $\pm 3$  %.

### Thermal Specifications:

Current Temperature Coefficient	$\alpha$	+ 0.073 %/°C
Voltage Temperature Coefficient	$\beta$	- 0.28 %/°C
Power Temperature Coefficient	$\gamma$	- 0.34 %/°C
NOCT		43 $\pm$ 2 °C
Temperature Range		- 40 °C to + 85 °C

### Mechanical Specifications:

Length x Width x Thickness	1,722 x 1,134 x 30 mm
Weight	22 kg
Solar Cells	108 Half-Cut c-Si / 182 x 91 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 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 / $\Phi$ 25 mm / 83 km/h (51 mph)

Tolerances of values are  $\pm 5$  %. 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	175 x 116 x 128 cm	3 pallets	794 kg	30

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

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