

## DAS MODUL MONO FS GEMINI

DMMFS330G

GEMINI is the latest development out of the Module-family SOLUXTEC DAS MODUL. GEMINI is combining Bifacial Solar Cell Technology with already few times awarded unique SOLUXTEC DAS MODUL Design. GEMINI is one of the most cost effective PV modules. Lightweight thanks to the latest transparent rear foil solution. Depending on Installation conditions DAS MODUL GEMINI is allowing up to 25% higher gain compared to conventional products. For those reason, GEMINI is the perfect solution for large scale and commercial PV project.

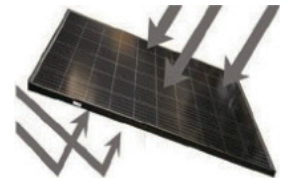
### Innovative Solutions



Water drainage



Self stackable & Eco friendly design

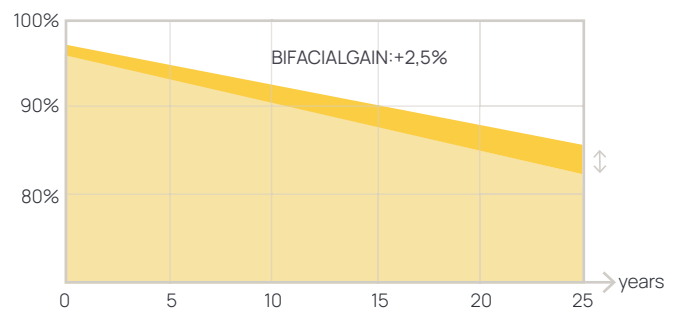


Energy from both side

### Feature

- GEMINI, more energy compared to conventional PV MODULE
- Easy to handle & No sharp sides
- 100% EL Quality Control
- 8100 Pa Max test load
- Self Stackable Frame & water drainage
- Excellent thermal properties
- Positive sorting 0 / + 4,99 Wp

### Quality Guarantee



- 20 years product warranty
- 25 years linear performance warranty

### Certifications



# DAS MODUL MONO FS GEMINI

DMMFS330G

## Electrical Parameters under STC Conditions

(1000 W/m<sup>2</sup>, 25°C +/- 2°C, AM=1,5 according to IEC 60904\_3)

Model	DMMFS330G	BIFACIAL GAIN **		
		10%	20%	25%
Maximum PowerPoint (Pmax)*	330	363	396	412
Open Circuit Voltage (Voc)	41,58	41,58	41,59	41,60
Short Circuit Current (Isc)	10,08	11,10	12,10	12,60
Maximum Power Voltage (Vmpp)	33,43	33,45	33,46	33,48
Maximum Power Current (Impp)	9,88	10,90	11,90	12,40
Module Efficiency (%)	19,75	21,80	23,70	24,70
Power Tolerance (Wp)	0 - 4,99 Wp			
Temperature coefficient TC Isc	+ 0,048 %/°C			
Temperature coefficient TC Voc	- 0,330 %/°C			
Temperature coefficient TC Pmpp	- 0,380 %/°C			

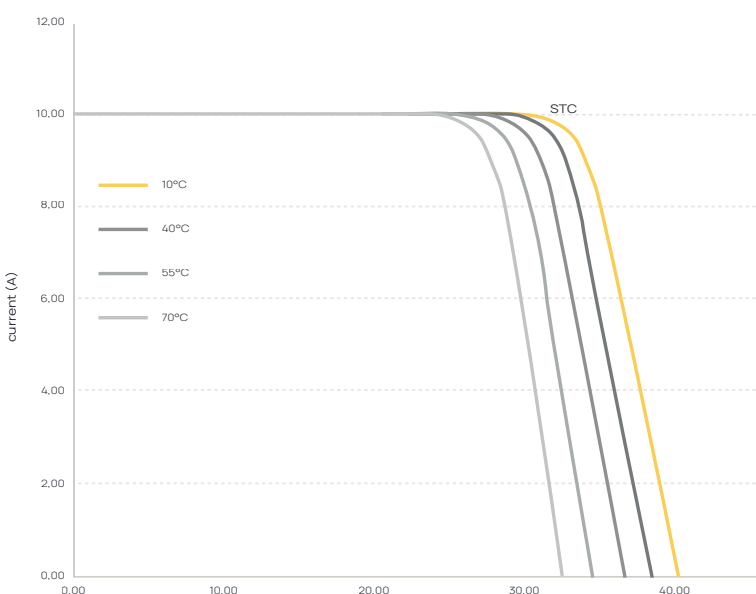
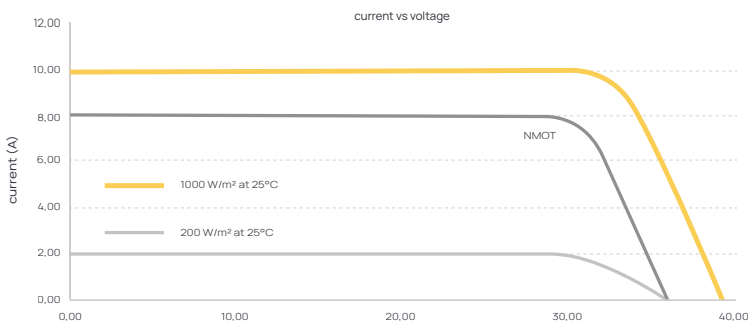
\*Power measurement of flasher unit +/- 3%

\*\*Bifacial output advantage, from 10% to 25% depending on mounting installation (height & angle) and albedo conversion from underground.

## Electrical Parameters under NMOT Conditions

(800 W/m<sup>2</sup>; NMOT, AM=1,5)

Model	DMMFS330G
Maximum PowerPoint (Pmax)	244
Open Circuit Voltage (Voc)	38,48
Short Circuit Current (Isc)	8,07
Maximum Power Voltage (Vmpp)	30,75
Maximum Power Current (Impp)	7,91



## Operating Conditions

Max. Operating Voltage:	1000 Vdc
Protection Class:	Class II
Operating T° range:	-40°C ... +85°C
Max. Reverse Current:	16 A
STC 25°C:	+/- 2°C
NMOT 45°C:	+/- 2°C
Design load + (snow):	5400 PA
Maximum test load +:	8100 PA*
Design load- (wind):	1600 PA
Maximum test load-:	2400 PA*

\*safety factor 1,5

## Mechanical Properties

Dimensions:	1665 x 1005 x 35 mm
Weight:	18,5 kg +/- 3 %
Cell:	60 mono Perc FS 5bb BIFACIAL
Junction Box:	IP67, 3 diodes potted
Connectors:	MC4 or MC4 compatible
Cables:	2 x 900 mm
Solar Glass:	3,2 mm tempered ARC
Rear cover:	Transparent foil

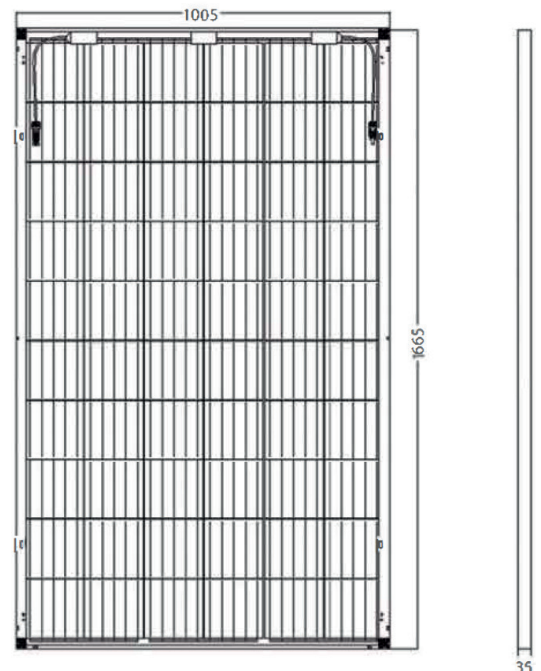
## Packaging

Per Pallet:	30 modules
Per Truck:	30 pallets

## Certifications

IEC61215, EN 61730, IEC61701, IEC62804, LVD2014/35/EU, EMC2014/30/EU, INMETRO

## Mechanical Specification



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