FVG 96-125
MONOCRYSTALLINE 5”

Silicon-wafer Monocrystalline photovoltaic module with power peak from 245 W to 260 W

APPLICATIONS

- Residential, commercial and agricultural
- PV parks
- Architectural integration (French market)

FEATURES

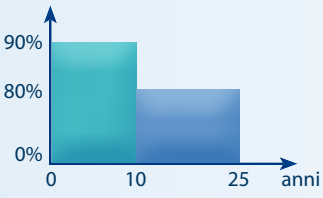
- Excellent performances even during low solar radiation (cloudiness, morning or evening)
- 4 mm solar-grade tempered prismatic glass
- Heavy load mechanical resistance: TÜV certified (5.400 Pa tested against snow and 2.400 Pa test against wind)
- Strict and continuous quality controls during all the production phases up to shipment
- High efficiency level up to 15.24%
- Custom-made modules even in ”All Black” version
- Positive tolerance on power peak of every module

ITALIAN WARRANTY

5 years commercial warranty – 25 years performance warranty

Commercial
- Standard 5 years on materials and manufacturing defects
- Can be extended to 10 years on request

Performance
- Power not less than 90% of power peak during the first 10 years
- Power not less than 80% of power peak during the subsequent 15 years



JUNCTION BOX

Strong and reliable with 4 by-pass diodes.
High performance IP67 connectors guarantee maximum safety and duration over time to maximise the power generated by the modules.

FVGENERGY
italian style

ELECTRICAL FEATURES

		STC			
Type	**Model**	**xxx Rated Power [W]**			
FVG 96-125	**FVG xxxM-MC***	**245**	**250**	**255**	**260**
Module Efficiency	ηm (%)	14.35	14.65	14.95	15.24
Cell Efficiency	ηc (%)	17.30	17.50	17.80	18.00
Power Peak	Pm (W)	245	250	255	260
Maximum Power Voltage	Vm (V)	49.50	49.80	49.90	50.00
Maximum Power Current	Im (A)	4.98	5.10	5.15	5.25
Open Circuit Voltage	Voc (V)	59.40	59.55	59.60	59.75
Short Circuit Current	Isc (A)	5.40	5.50	5.60	5.70
Maximum System Voltage	(VDC)	1,000			
Power Output Tolerance	(W)	0 / + 5			
Max-Series Fuse	(A)	10			
Operating/Storage Temp.	(°C)	- 40 ~ + 85			
Dielectric Insulation Voltage	(VDC)	3,000 max			
Code	MFM	50273	50274	50275	50276

STC: Irradiance 1,000 W/m², module temperature 25 °C, AM=1.5
Power measurement tolerance: ± 3%

		NOCT			
Typical Power at NOCT	Pm (W)	180	184	188	192
Maximum Power Voltage	Vm (V)	44.90	45.00	45.10	45.20
Maximum Power Current	Im (A)	4.03	4.10	4.17	4.25
Open Circuit Voltage	Voc (V)	54.45	54.50	54.55	55.00
Short Circuit Current	Isc (A)	4.36	4.46	4.56	4.62

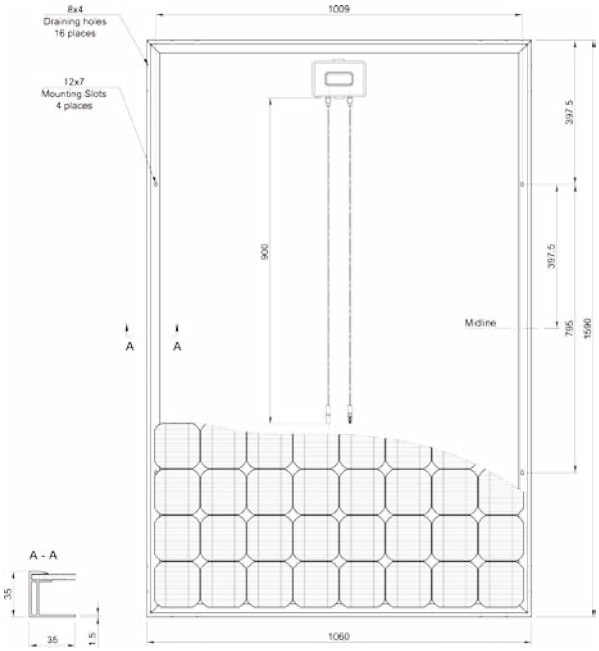
NOCT: Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s
Power measurement tolerance: ± 3%

TEMPERATURE CHARACTERISTICS - STC

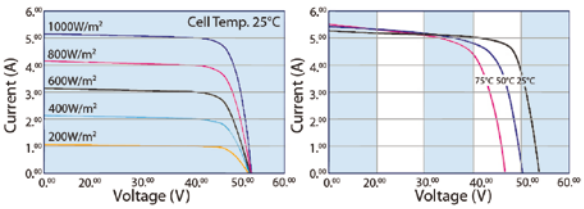
NOCT - Nominal Operating Cell Temperature	(°C)	45 ± 2
Pm Temperature Coefficient	(%/°C)	- 0.45
Voc Temperature Coefficient	(%/°C)	- 0.34
Isc Temperature Coefficient	(%/°C)	0.05

MECHANICAL FEATURES

Cell Size	(mm)	125 x 125
Number of cells		96 cells - monocrystalline silicon
Module Dimensions	(mm)	1,590 x 1,060 x 35
Module Weight	(kg)	23
Front Glass		4 mm tempered glass
Frame		anodized aluminium alloy
Junction box		4 by-pass diodes
Connectors		IP67 type MC3 or MC4
Output Cables	(mm)	900



CURVE CURRENT - VOLTAGE



PACKING FEATURES

Carton Dimensions	(mm)	1,650 x 1,100 x h85
Pallet Dimensions	(mm)	1,650 x 1,100 x h1,850
Pallet Weight	(kg)	995
1 Carton		2 modules
1 Pallet		20 cartons (40 modules)
Container Loading Capacity	20ft	240 modules (6 pallets)
	40ft	560 modules (14 pallets)

* xxx suffix indicates Rated Power [W]
suffix B indicates a black sheet of Tedlar

FVG-EN-N.03-Rev 2011