YellowLine TOP PERFORMANCE

FVG 72-125

5" MONOCRYSTALLINE

FVGENERGY italian style

Silicon-wafer Monocrystalline photovoltaic module with power peak from 185 W to 200 W

APPLICATIONS

- Residential, industrial, commercial and agricultural
- 24V stand-alone systems (or multiples)
- Architectural integration (CSTB pass innovation)
- PV parks

FEATURES

- Excellent performances even during low solar radiation (cloudiness, morning or evening)
- 3.2 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 15.66%
- Custom-made modules even in "All Black" version
- Positive tolerance on power peak of every module

ITALIAN WARRANTY

10 years commercial warranty - 25 years performance warranty

Commercial
- Standard 10 years on materials and manufacturing defects
- Integrative insurance policy 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

YellowLine TOP PERFORMANCE

FVG 72-125

5" MONOCRYSTALLINE

FVGENERGY italian style

ELECTRICAL FEATURES

		STC			
Type	**Model**	**xxx Rated Power [W]**			
FVG 72-125	**FVG xxxM-MC***	**185**	**190**	**195**	**200**
Module Efficiency	ηm (%)	14.50	14.90	15.27	15.66
Cell Efficiency	ηc (%)	17.30	17.50	17.80	18.00
Power Peak	Pm (W)	185	190	195	200
Maximum Power Voltage	Vm (V)	36.40	36.60	36.80	37.10
Maximum Power Current	Im (A)	5.10	5.20	5.30	5.40
Open Circuit Voltage	Voc (V)	44.50	45.20	44.65	44.70
Short Circuit Current	Isc (A)	5.53	5.62	5.72	5.80
Maximum System Voltage	(VDC)	1000			
Power Output Tolerance	(W)	0 / + 5			
Max-Series Fuse	(A)	10			
Operating/Storage Temp.	(°C)	- 40 ~ + 85			
Dielectric Insulation Voltage	(VDC)	3000 max			
Code	MFM	50187	50188	50189	50190

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5
Power measurement tolerance: ± 3%

		NOCT			
Typical Power at NOCT	Pm (W)	135	139	143	147
Maximum Power Voltage	Vm (V)	33.00	33.10	33.28	33.60
Maximum Power Current	Im (A)	4.11	4.20	4.30	4.38
Open Circuit Voltage	Voc (V)	41.20	41.30	41.45	41.60
Short Circuit Current	Isc (A)	4.48	4.56	4.66	4.75

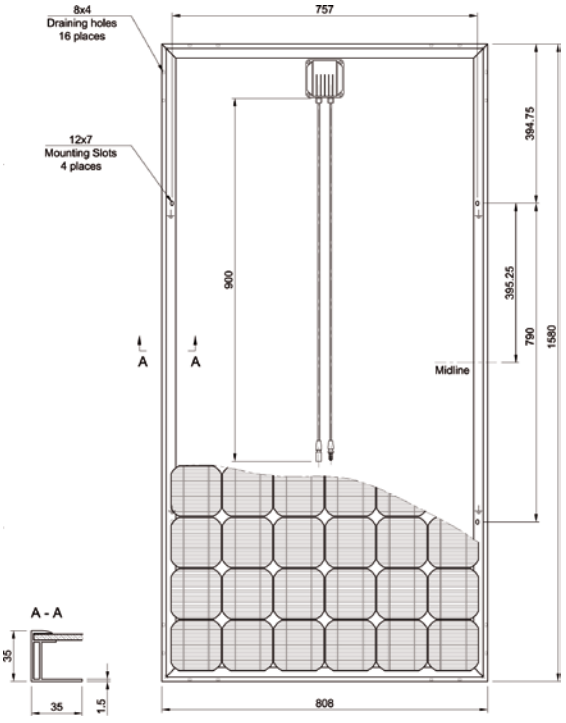
NOCT: Irradiance 800 W/m², ambient temperature 20 °C, wind speed 1 m/s
Power measurement tolerance: ± 3%

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

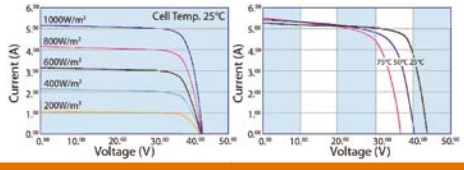
Cell Size	(mm)	125 x 125
Number of cells		72 cells - monocrystalline silicon
Module Dimensions	(mm)	1580 x 808 x 35
Module Weight	(kg)	15.50
Front Glass		3.2 mm tempered glass
Frame		anodized aluminIum alloy
Junction box		3 by-pass diodes
Connectors		IP65 type MC4
Output Cables	(mm)	900



JUNCTION BOX

3 by-pass diodes
CIXI REHNE PHOTOVOLTAIC
PV -RH 0501B
IP67 MC4 connectors
900 mm cable length

CURVE CURRENT - VOLTAGE



PACKING FEATURES

Carton Dimensions	(mm)	1610 x 830 x h85
Pallet Dimensions	(mm)	1650 x 1100 x h1950
Pallet Weight	(kg)	850
1 Carton		2 modules
1 Pallet		25 cartons (50 modules)
Container Loading Capacity 20	(ft)	300 modules (6 pallets)
Container Loading Capacity 40	(ft)	700 modules (14 pallets)

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

FVG ENERGY S.p.A. ITALY TEL.+39 0431 68080 Fax +39 0431 68558 e-mail: office@fvgenergy.com **www.fvgenergy.com**