

FVG 72-125

**Monocrystalline Silicon
Photovoltaic Module
Power peak 160 to 185 W**

UPDATED 08-03-2009

GENERAL DESCRIPTION

The FVG 72-125 photovoltaic modules are suitable for residential systems Stand-Alone, office buildings, solar power stations, solar villages, villas, mountain cottages, pumps, traffic signs, radio relay stations, telecommunication systems, telemeter systems, lighting equipment.

The number of the cells is 72 and the max system voltage DC is 700V.

The FVG 72-125 photovoltaic modules are IEC 61215 and Class II isolation certified.

CHARACTERISTICS

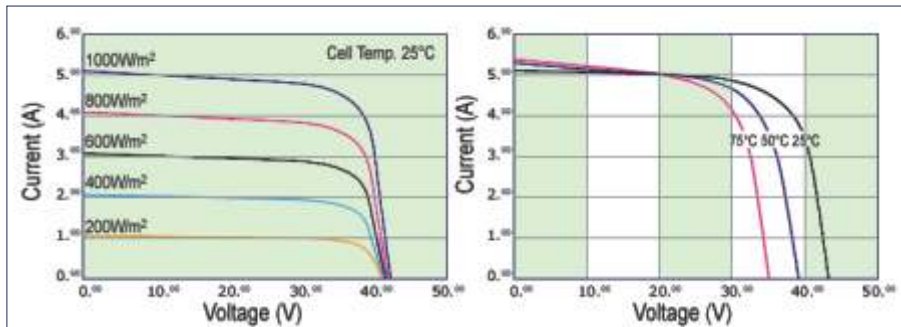
- 1.** The FVG 72-125 photovoltaic modules are manufactured with 72 125x125 mm monocrystalline silicon cells.
- 2.** The cells are laminated between sheets of ethylene vinyl acetate (EVA) and high-transmissivity low-iron 4mm tempered glass.
- 3.** The production process ensures the cells maximum protection against critical and environmental conditions.
- 4.** Modules are extremely resistant thanks to the aluminum frame for extended outdoor use.
- 5.** Our photovoltaic modules are manufactured using specialized personnel and high quality materials.

ELECTRO-OPTICAL CHARACTERISTICS

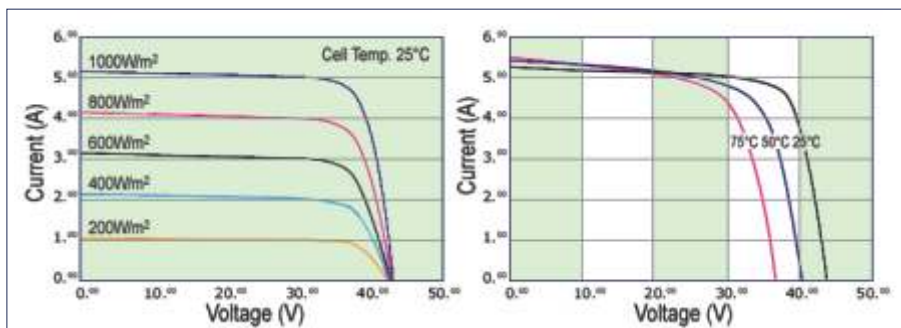
Code	Type	Model	Module Efficiency	Cell Efficiency	Power Peak (W)	Vm (V)	Im (A)	Voc (V)	Isc (A)	Power Tolerance
50181	FVG 72 - 125	FVG 160M - MC	12.60%	15.00%	160	34.90	4.60	42.80	5.15	+/- 3%
50183	FVG 72 - 125	FVG 165M - MC	13.00%	15.50%	165	35.60	4.65	43.20	5.20	+/- 3%
50184	FVG 72 - 125	FVG 170M - MC	13.40%	16.00%	170	35.80	4.76	43.60	5.25	+/- 3%
50185	FVG 72 - 125	FVG 175M - MC	13.80%	16.50%	175	36.20	4.85	43.90	5.30	+/- 3%
50186	FVG 72 - 125	FVG 180M - MC	14.20%	17.00%	180	36.80	4.90	44.20	5.35	+/- 3%
50187	FVG 72 - 125	FVG 185M - MC	14.60%	17.50%	185	37.50	4.95	44.50	5.40	+/- 3%

Cell and Connection	Monocrystalline silicon - 72 in series
Max Series Fuse	7A
Pm Temperature Coefficient	-0.45 % /°C
Voc Temperature Coefficient	-0.35 % /°C
Isc Temperature Coefficient	0.05 % /°C
Test Condition	STC:AM=1.5 1000W/m2
NOCT	47± 2°C
Max System Voltage (VDC)	700
Operating Temperature / Storage Temperature	-40~+85°C
Dielectric Insulation Voltage	2400 VCD max

FVG 165M-MC - 72 CELLS - MONOCRYSTALLINE



FVG 180M-MC - 72 CELLS - MONOCRYSTALLINE



WARRANTY

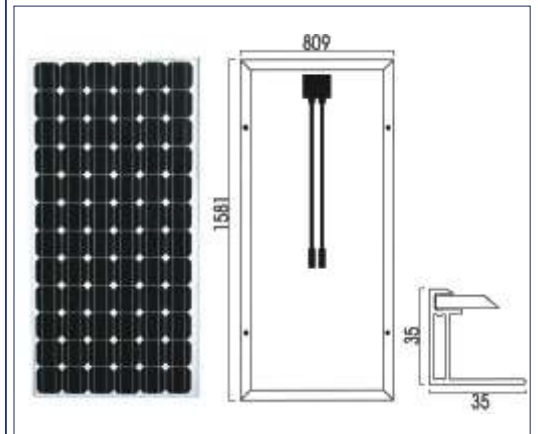
3 YEARS LIMITED PV MODULES AND 25 YEARS LTD POWER OUTPUT

The power output values shall be those measured under FVG Energy standard measurement conditions as follows:

- (a) light spectrum of AM 1.5;
- (b) irradiation of 1,000w per m²; and
- (c) a cell temperature of 25°C.

For more information ask your local dealer or FVG Energy directly (www.fvgenergy.com) for the full document of Warranty.

DIMENSIONS AND PACKING



Module Dimension mm: 1581 x 809 x 35
 Module Net Weight Kg: 16
 Carton Dimensions mm: 1610 x 830 x 90
 Pallet Dimensions mm: 1650 x 850 x h1950
 Pallet Net Weight Kg: 620
 1 carton = 2 modules
 1 pallet = 19 cartons = 38 modules
 1 pallet of 50 modules = mm 1040x1640xh1900
 Maxi pallet weight of 50 modules = 800 kg

JUNCTION BOX



Junction box with cables and waterproof connectors.
 Cables length cm 90.
 With 3 bypass diodes.