

FVG 36 POLYCRYSTALLINE

Silicon-wafer Polycrystalline photovoltaic module with power peak from 5 W to 100 W

APPLICATIONS



12V stand-alone systems
(or multiples)

The FVG 36 modules are ideal for stand-alone systems, public and private lighting, survey and data transmission systems, road signs, telecommunication and other specific applications

FEATURES



Excellent performances
even during low solar
radiation (cloudiness,
morning or evening)



Solar-grade tempered
prismatic glass



Heavy load mechanical
resistance



Strict and continuous
quality controls during all
the production phases up
to shipment



A-grade solar cells



ITALIAN WARRANTY

Standard 3 years warranty on materials and manufacturing defects

FVG 36 POLYCRYSTALLINE

ELECTRICAL FEATURES

Type	Model	xxx Rated Power [W]					STC
		5	10	30	50	100	
FVG 36	FVG xxxP*	5	10	30	50	100	
Power Peak	Pm (W)	5	10	30	50	100	
Maximum Power Voltage	Vm (V)	17.50	17.50	17.50	17.50	17.50	
Maximum Power Current	Im (A)	0.29	0.57	1.72	2.90	5.72	
Open Circuit Voltage	Voc (V)	21.00	21.00	21.50	22.00	21.50	
Short Circuit Current	Isc (A)	0.32	0.66	1.91	3.20	6.34	
Maximum System Voltage	(VDC)	600					
Max-Series Fuse	(A)	5					
Operating/Storage Temp.	(°C)	- 40 ~ + 85					
Dielectric Insulation Voltage	(VDC)	1800 max					
Code	MFP	50101	50102	50108	50116	50172	

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5
Power measurement tolerance: ± 5%

TEMPERATURE CHARACTERISTICS - STC

NOCT - Nominal Operating Cell Temperature	(°C)	45 ± 2
Pm Temperature Coefficient	(%/°C)	- 0.45
Voc Temperature Coefficient	(%/°C)	- 0.35
Isc Temperature Coefficient	(%/°C)	0.05

MECHANICAL FEATURES

Cell Size	(cm)	32x20	78x25	156x36	156x63	156x120
Number of cells	36 cells - polycrystalline silicon					
Front Glass	tempered glass					
Frame	anodized aluminum alloy					
Junction box	solder terminals or cables and MC3 or MC4 connectors					

JUNCTION BOXES



FVG 100P MODEL

Strong and reliable with 2 by-pass diodes.
High performance IP67 connectors guarantee maximum safety and duration over time to maximise the power generated by the modules

FVG 30P & FVG 50P MODEL

With two cable fasteners for cable up to 6 mm diameter (cables not included)

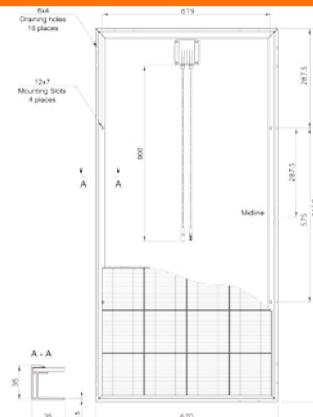


FVG 5P & FVG 10P MODEL

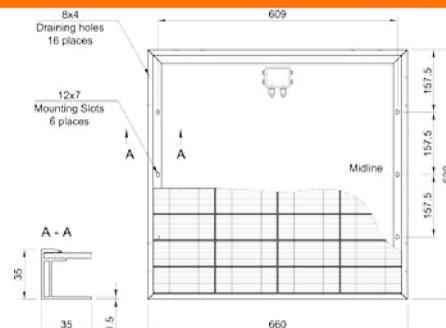
With single cable gland for cable with maximum 6mm diameter (connection cables not included)

* xxx suffissi nel codice di modello indicano potenza nominale [W]

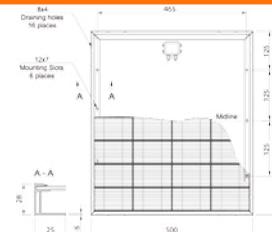
FVG 100P



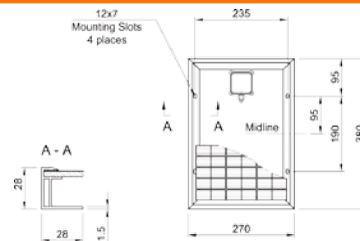
FVG 50P



FVG 30P



FVG 10P



FVG 5P

