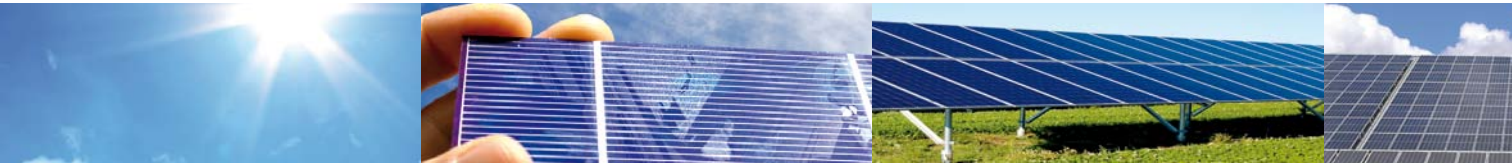


FVG 36

POLYCRYSTALLINE



Silicon-wafer Polycrystalline photovoltaic module with power peak from 10 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



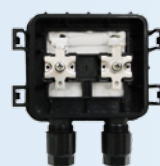
JUNCTION BOX - FVG 10P model

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



JUNCTION BOX - 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.



JUNCTION BOX - FVG 30P and FVG 50P model

Two cable fasteners for cable up to 6 mm diameter (connection cables not included).



ELECTRICAL FEATURES

		STC			
Type	Model	xxx Rated Power [W]			
FVG 36	FVG xxxP*	10	30	50	100
Power Peak	Pm (W)	10	30	50	100
Maximum Power Voltage	Vm (V)	17.50	17.50	17.50	17.50
Maximum Power Current	Im (A)	0.57	1.72	2.90	5.72
Open Circuit Voltage	Voc (V)	21.00	21.50	22.00	21.50
Short Circuit Current	Isc (A)	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)	1,800 max			
Code	MFP	50102	50108	50116	50172

STC: Irradiance 1,000 W/m², module temperature 25 °C, AM=1.5
Power measurement tolerance: ± 5%

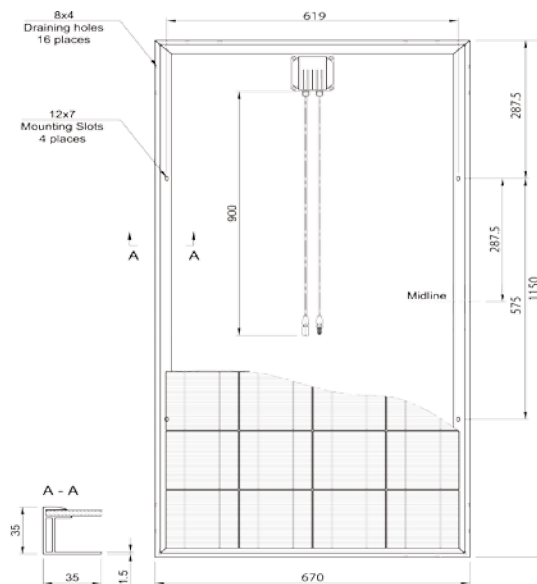
TEMPERATURE CHARACTERISTICS - STC

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

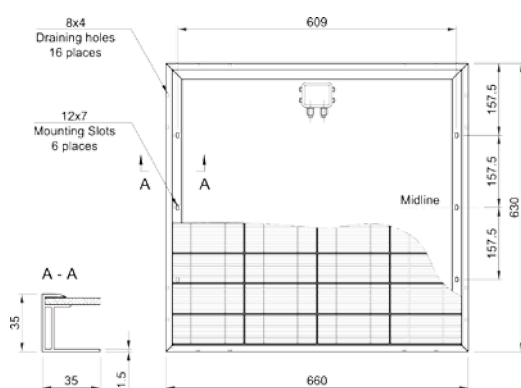
MECHANICAL FEATURES

Cell Size	(mm)	78x25	156x36	156x63	156x120
Number of cells	36 cells - polycrystalline silicon				
Front Glass	tempered glass				
Frame	anodized aluminium alloy				
Junction box	with screw terminals or with cables and connectors type MC3 or MC4				

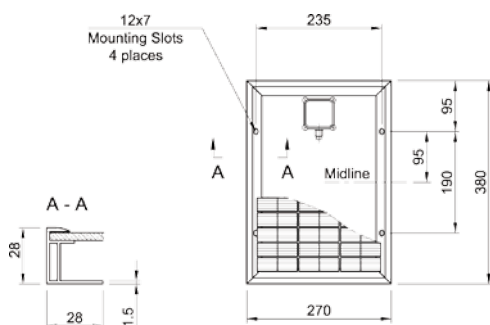
FVG 100P



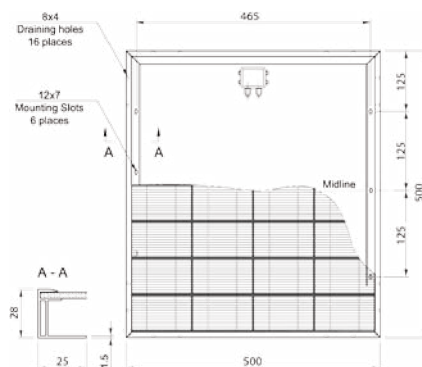
FVG 50P



FVG 10P



FVG 30P



* xxx suffix indicates Rated Power [W]