

FVG 36

MONOCRYSTALLINE



Silicon-wafer Monocrystalline photovoltaic module with power peak from 25 W to 60 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: 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



A-grade solar cells



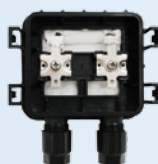
ITALIAN WARRANTY

Standard 3 years warranty on materials and manufacturing defects



JUNCTION BOX – TÜV CERTIFIED

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. Modules in IEC* certified version.



JUNCTION BOX - STANDARD

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

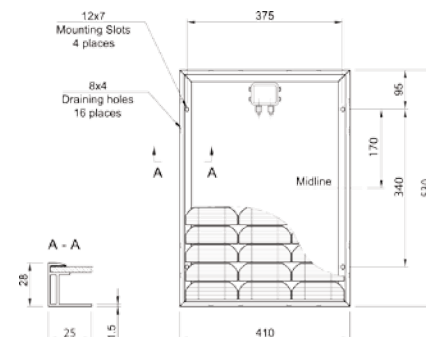
* IEC certified version on request



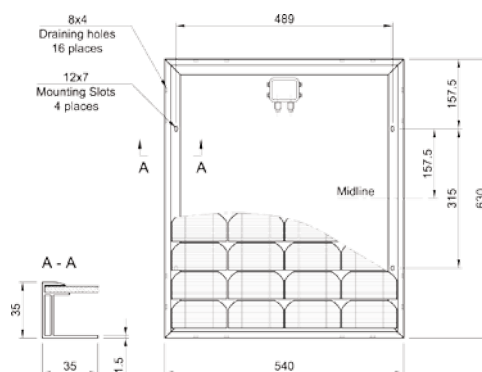
ELECTRICAL FEATURES

		STC		
Type	Model	xx Rated Power [W]		
FVG 36	FVG xxM*	25	40	60
Power Peak	Pm (W)	25	40	60
Maximum Power Voltage	Vm (V)	18.05	18.05	18.05
Maximum Power Current	Im (A)	1.39	2.25	3.33
Open Circuit Voltage	Voc (V)	22.40	22.40	22.40
Short Circuit Current	Isc (A)	1.70	2.50	3.65
Maximum System Voltage	(VDC)	600		
Max-Series Fuse	(A)	5		
Operating/Storage Temp.	(°C)	- 40 ~ + 85		
Dielectric Insulation Voltage	(VDC)	1,800 max		
Code Standard Edition	MFM	50540	50550	50560
Code Certified Version of IEC	MFM	50541	50551	50561
STC: Irradiance 1,000 W/m ² , module temperature 25 °C, AM=1.5				
Power measurement tolerance: ± 5%				

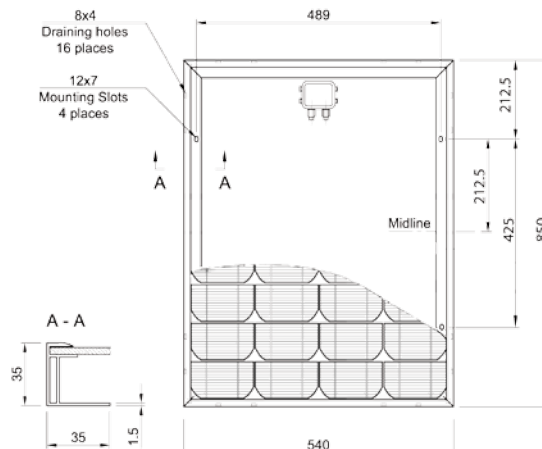
FVG 25M



FVG 40M



FVG 60M



MECHANICAL FEATURES

Cell Size	(mm)	125x38	125x62.50	125x87
Number of cells		36 cells - monocrystalline silicon		
Front Glass		tempered glass		
Frame		anodized aluminium alloy		
Junction box		with screw terminals or with cables and connectors type MC3 or MC4		

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

* xx suffix indicates Rated Power [W]