



## Solar PLUG&PLAY

**PLUG AND PLAY**  
PHOTOVOLTAIC SOLUTION

**MADE IN ITALY**

**SIMPLE TO INSTALL!**



**EASY TO  
INSTALL**



**DIRECT  
CONNECTION TO  
THE PLUG**



**SUITABLE FOR  
MULTIPLE  
INSTALLATIONS**

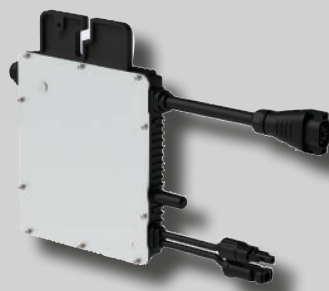


## MONOCRYSTALLINE MODULE MADE IN ITALY



PV MODULE ELECTRICAL		XM460340IB+
Open circuit voltage	(Voc)	40.85 V
Voltage at Pmax	(Vmp)	34.78 V
Short-circuit current	(Isc)	10.35 A
Current at Pmax	(Imp)	9.77 A
Peak Power (Pmax) Tolerance -0/+5 Wp*		340 Wp
Module Efficiency		20.38%
Maximum voltage		1000 V DC
Maximum series fuse rating		16A
Operating Temperature		-40°C - +85°C
TEMPERATURE COEFFICIENT		
NOCT		46±2 °C
Pmax Temperature coefficient		-0.38%/ K
Voc Temperature coefficient		-0.36 %/ K
Isc Temperature coefficient		0.07%/ K
MECHANICAL CHARACTERISTIC		
Hail test		25 mm - 23 m/s
Max load long side		5400 Pa
Number of cells		60 (158.75 mm x 158.75 mm) Tipo: Mono square PERC
Weight		18.3Kg
GENERAL INFORMATION		
Dimensions		1665 x 1002 x 40 mm
Front glass		Temperated AR Coated glass, 3,2 mm
Frame		Anodized aluminum alloy coated black RAL 9005
Junction box		IP67 rating, 3 bypass diodes
Output cables		Cable E317230-C PV, connectors PV4

## MICROINVERTER

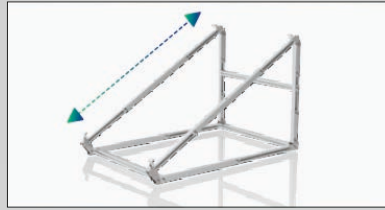


With an output power of up to 350 VA / 700VA. The model shown is equipped with reactive power control and complies with IEC 021, EN 50549-1:2019, VDE-AR-N 4105:2018, VFR2019, etc. requirements. Safer solar installations with compliant fast-stop and isolated transformer. CEI 021 CERTIFIED.

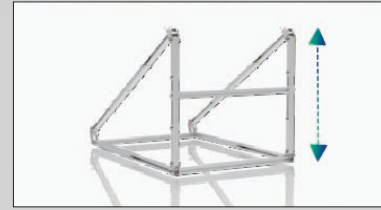
MICROINVERTER	350-1T	700-2T
Dati di ingresso (CC)		
Commonly used module power (W)	da 280 a 470+	
Maximum input voltage (V)	60	
MPPT voltage range (V)	16-60	
Start-up voltage (V)	22	
Maximum input current (A)	13	2 x 13
Maximum input short circuit current (A)	20	2 x 20
Number of MPPTs	1	2
Number of Inputs per MPPT	1	
Output Data (AC)		
Rated output power (VA)	350	700
Rated output current (A)	1,52	3.04
Nominal output voltage/range (V)	230/180 - 275	
Nominal frequency/range (Hz)	50/45 - 55	
Power factor (adjustable)	Valore predefinito >0,99 0,8 in anticipo...0,8 in ritardo	
Total harmonic distortion	< 3%	
Maximum units per 10AWG branch	21	10
Maximum units per 12AWG branch	13	6
Efficiency		
Maximum Efficiency	96,7%	
Nominal MPPT efficiency	99,8%	
Night power consumption (mW)	< 50	
Mechanical Data		
Ambient temperature range (°C)	da -40 a +65	
Dimensions (L x A x D mm)	182 x 164 x 30	261x180x31
Weight (kg)	1,75	3.1
Enclosure rating	Outdoor -IP67 (NEMA 6)	
Cooling	Natural convection-No fans	
Features		
Communication	Sub-1G	
Type of isolation	Galvanically Isolated HF Transformer	
Compliance	EN 50549-1: 2019, VDE-AR-N 4105: 2018, VFR2019, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3	

# INSTALLATION ALTERNATIVES

- 1° FLAT ROOF/WALL solution:** FTV module with built in 350 VA micro inverter + 3 metre cable with connectors for 1 Sunerg panel with Schuko socket + garden, balcony, flat roof and wall structure



VARIABLE LENGTH



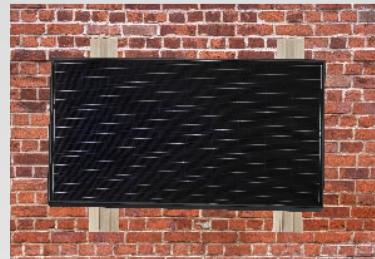
VARIABLE ANGLE

- 2° BALCONY solution:** FTV module with built in 350 VA micro inverter + 3 metre cable with connectors for 1 Sunerg panel with Schuko socket + railing structure



Flexible fixing method, can be placed on the balcony with handrail railing.

- 3° SOLUTION WALL/INCLINED ROOF:** FTV module with built in 350 VA micro inverter + 3 metre cable with connectors for 1 Sunerg panel with Schuko socket + wall or sloping roof structure



Wall installation with vertical fixing system or sloping roof.

## ACCESSORIES

	<p>600 VA micro inverter for systems consisting of 2 photovoltaic panels.</p>		<p>3 metre cable with connectors for Sunerg panel with Schuko socket.</p>
	<p>AT cable to connect 2 microinverters</p>		<p>5 metre cable with connectors for Sunerg panel with Schuko socket.</p>
	<p>USB communication stick for plant monitoring.</p>		<p>Electric meter with Schuko socket.</p>

The plug and play system must be connected to a protected, dedicated and identifiable electrical outlet compared to the other sockets of the existing electrical system. For installation follow CEI 021 and CEI 64-8.

For installations > 350W and < 800 W, follow the requested instructions of the Country where it is installed.