



SUNFLEX

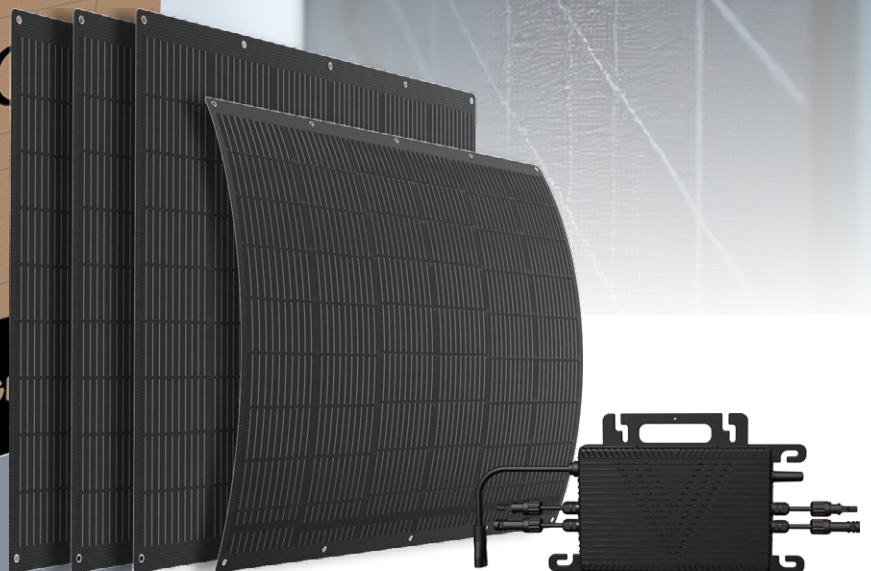
The sun, ready to plug in

 Uncomplicated energy
Easy to install, zero paperwork

 Affordable energy
Complete all-in-one solution

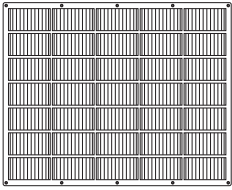
 Enjoy solar for all
The perfect fit for limited spaces

 Lighter bills
Reduce your electric bill by 20%

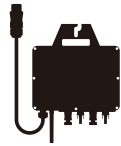


COMPONENTS

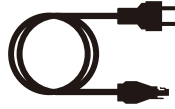
Flexible Solar Panel
4pz



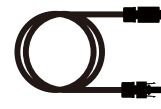
Micro-Inverter
1pz



Plug&Play Cable
1pz



MC4 Extension Cable
4pz

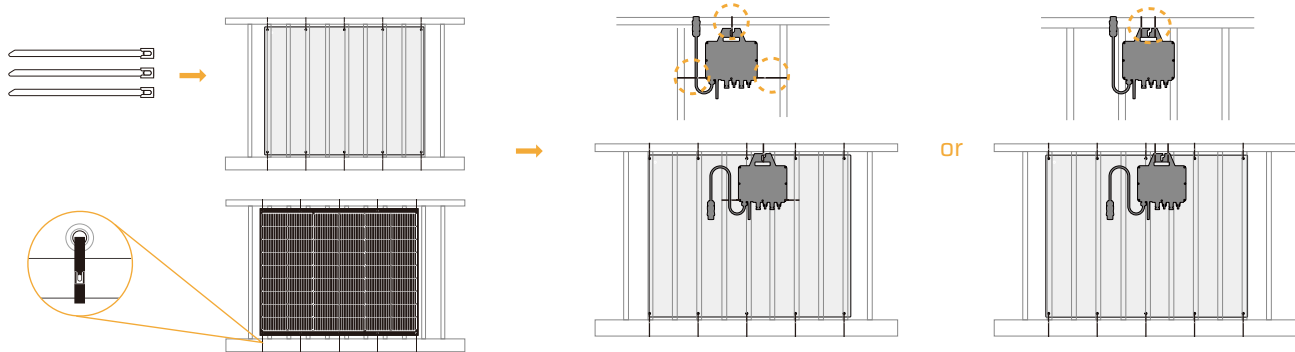


Carbon Steel
Ties
40 pz

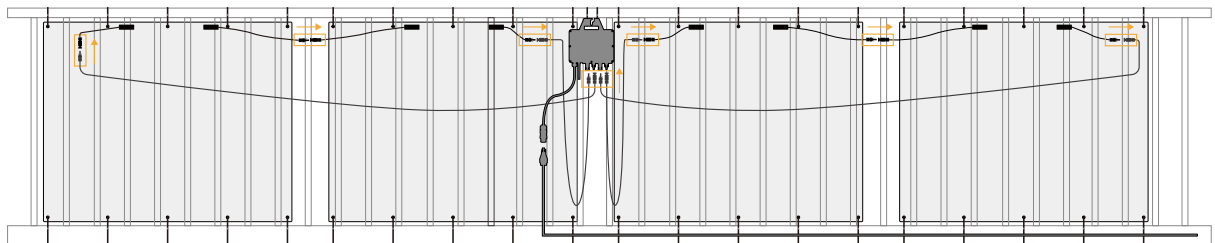


EASY TO INSTALL

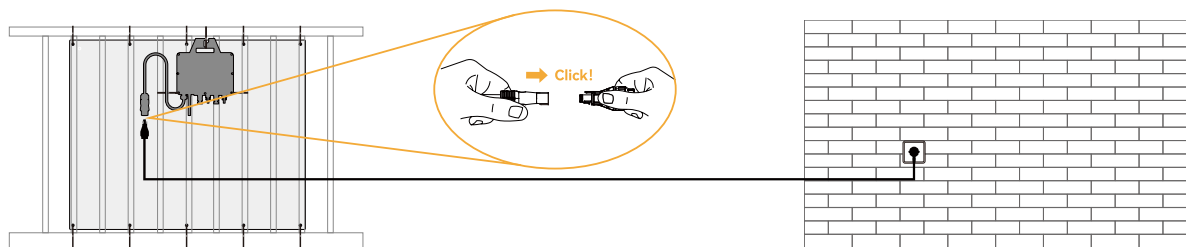
01 Fix the solar panel and microinverter with strap to the balcony.



02 Connect micro-inverter



03 Connect extension cable and plug in power supply



The installation must comply with standards CEI 021 and CEI 64-8. For systems > 350W and < 800W, in order to connect the system, the Simplified Single Form for P&P system notification must be sent to the electricity distributor, also for the purpose of reprogramming the existing meter and signing the simplified operating regulations.

Plug and Play (connect and use) systems are simple-to-install photovoltaic setups – just plug them into a household socket to start generating energy.

Composition of a Plug&Play system:

- **Photovoltaic module** (monocrystalline, under 350Wp)
- **Micro inverter** (converts panel DC power into AC ready for home use)
- **Frame, brackets, and power cable**

Main advantage: Easy and versatile installation on balconies, terraces, roofs, gardens, and more.

PV MODULES

Electrical Characteristics (STC)		
Maximum Power	(Pmax)	200Wp
Maximum Power Voltage	(Vmp)	15.30V
Maximum Power Current	(Imp)	13.10A
Open-circuit Voltage	(Voc)	18.55V
Short-circuit Current	(Isc)	13.70A
Module Efficiency(%)		19,17%
Operating Temperature		-40°C to 85°C
Maximum System Voltage		1000VDC
Maximum Series Fuse Rating		20A

Mechanical Characteristics	
Solar Cell	Monocrystalline silicon cell
Cell Size	182x91mm
No. of cells	54(9*2*3)
Dimension	1140 x 915 x 3 mm
Weight	3.3kg
Backsheet	Black PV Backsheet
J-Box	IP 68 rated
Output cables	Photovoltaic Technology Cable 4.0mm ²
Cable length	(+)/(-)500 mm or Customized Length

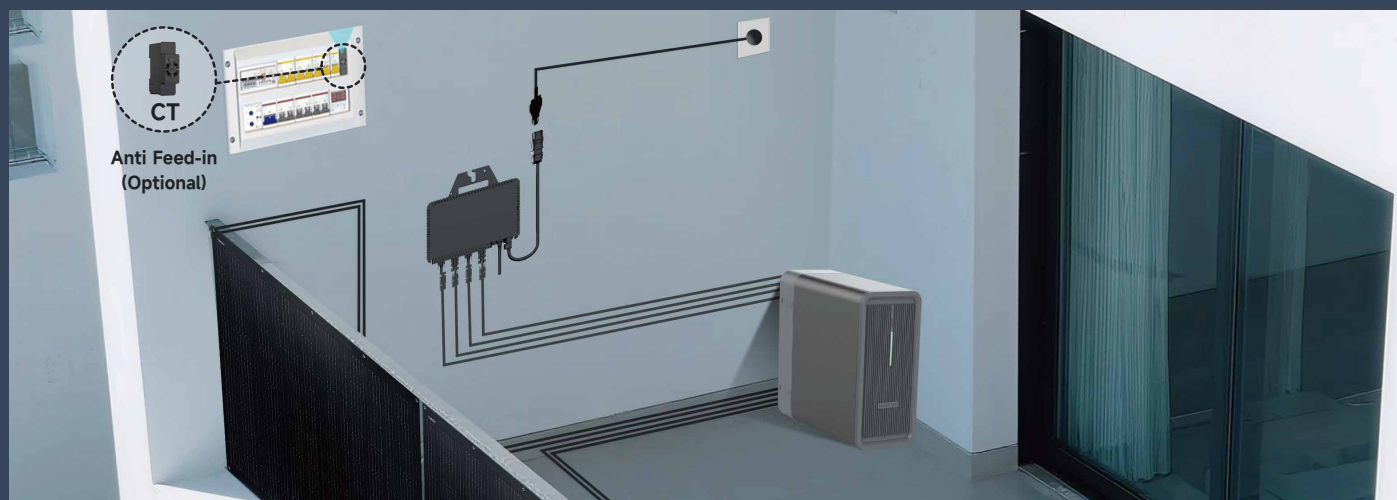
STC: Irradiance 1000 w/m2, Cells Temperature 25°C, AM=1.

Tolerance electric measurement and Power output ±3%

INVERTER

Input Data (DC)	
Recommended PV Module Power (STC) Range	400-480 Wp
Peak power MPPT voltage range (V)	30-45 V
Operating voltage range (V)	25-60 V
Maximum input voltage (V)	60 V
Maximum input current (A)	2*15 A
Output Data (AC)	
Maximum continuous output power(VA)	800 VA
Maximum continuous output current (A)	3,7 A
Nominal output voltage/Range (V) ¹	230V/207-253V
Adjustable Output Voltage Range(V)	187V-265V
Nominal frequency//Range(Hz) ¹	60/59.3-60.5Hz, 50/48-51Hz
Adjustable Output Frequency Range(Hz)	45Hz-65Hz
Power factor(adjustable)	0.99/0.8 leading...0.8 lagging
Total harmonic distortion	<5%
System Efficiency	
Peak conversion efficiency	>95%
CEC weighted efficiency	>94%
Nominal MPPT efficiency	>99.8%
Night power consumption (mW)	<100

800W PV+2.24kwh BESS



Use your energy, day or night!!

Add a storage battery to save daytime solar power for nighttime use. The battery stores excess energy without feeding it into the grid, optimizing self-consumption. This enhanced system performance helps significantly reduce your energy bills.

ENERGY STORAGE (OPTIONAL)

Model	B2500-D
General	
Capacity	2240Wh
Cell Chemistry	LiFePO ₄
Lifecycle	6000+ cicli 80% Capacità
Storage Temp.	14°F-131°F(-10°C~55°C)
Operating Temp.	14°F-104°F(-10°C~40°C)
Material	ABS + PC + Metal
Weight	20±0.5kg
Dimensions	295*175*350 mm
Battery Management System	OVP, UVP, OCP, SCP, OTP, UTP, etc
Wireless	BT5.2 + WIFI 2.4G
MC4*2 PVINPUT	
Power	500W*2 Max
Voltage Range	12V-59V
Max. Input Current	13.5A'2
MC4*2 OUTPUT	
Power	400W*2 Max
Voltage Range	16V-40V
Max. Output Current	15A Max
Additional Data	
Protection Rated	IP65
Standards	EN IEC 62109-1/-2, EN IEC 61000-6-1/2/3/4, IEC 62619:2022, WEEE, RoHS, REACH