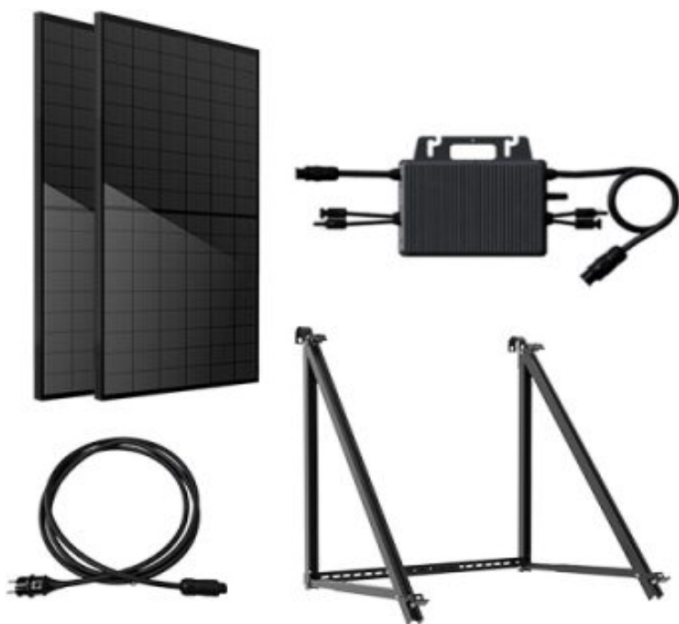




Product Details

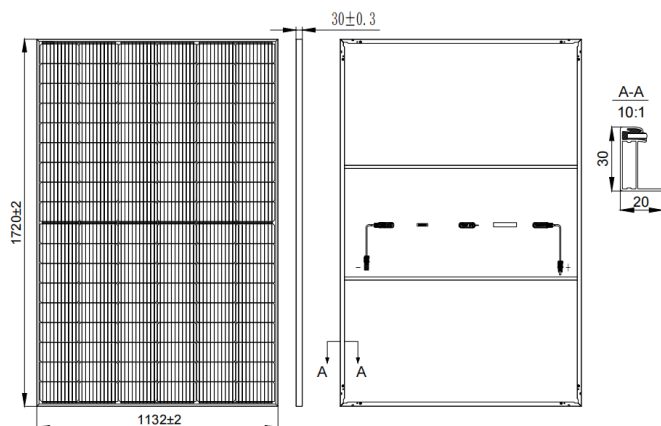
Plugin Solar Kits for Balcony



Configuration

- Solar panel 420Wp x 2
- Micro inverter 800W x 1
- Mounting brackets with installation accessories
- Connection cable

Module Diagram



Product Introduction

All-In-One Solution

Plug and play PV balcony systems are designed to address these barriers and make it easier for homeowners and small businesses to adopt photovoltaics. These systems are easy to install and do not require specialized knowledge or equipment. In addition, they are significantly cheaper than traditional photovoltaic systems, making them a more accessible solution for many homeowners and small businesses.

Electrical Characteristics

Maximum power(Pmax)	420W
Open-circuit voltage(Voc)	38.46V
Voltage at Pmax(Vmp)	31.97V
Short-circuit current(Isc)	14.09A
Current at Pmax(Imp)	13.14A
Cells Efficiency(%)	21.6%
The maximum system voltage	DC1500V(IEC)
Operating Temperature	-40℃~85℃
Power temperature coefficient	-0.35%/℃
Voltage temperature coefficient	-0.26%/℃
Current temperature coefficient	+0.048%/℃
Output power tolerance	±3%
The overall composition of the balcony system includes the following components:	Solar Panel * 2pcs Micro Inverter * 1pcs Mounting Bracket * 1set MC4 Compatible Extension Cable 5m * 2 pair Grid Cable 3m * 1pcs

Specifications

Solar cell brand	Monocrystalline
No.of cells	108
Solar Size	1720*1132*30mm
Weight(set)	2*10.8KG
Max Load	+3600Pa/-2400Pa

Micro Inverter

INPUT(DC)

Model	ALP 700
Module Type	2x435W
Recommended Max PV Power (Wp)	400WX2
Max DC Open Circuit Voltage (Vdc)	60
Max DC Input Current (Adc)	14X2
MPPT Tracking Range (Vdc)	22-55

OUTPUT(AC)

Model	ALP 600
Module Type	2x435W
Peak AC Output Power (Wp)	700
Peak Efficiency (Wp)	92.7%
Nominal Power Grid Voltage (Vac)	230/120
Rated Output Current (Aac)	3.1
Nominal Frequency (Hz)	60/50
Warranty	5 years
Dimension	280 × 200 × 41.6mm

