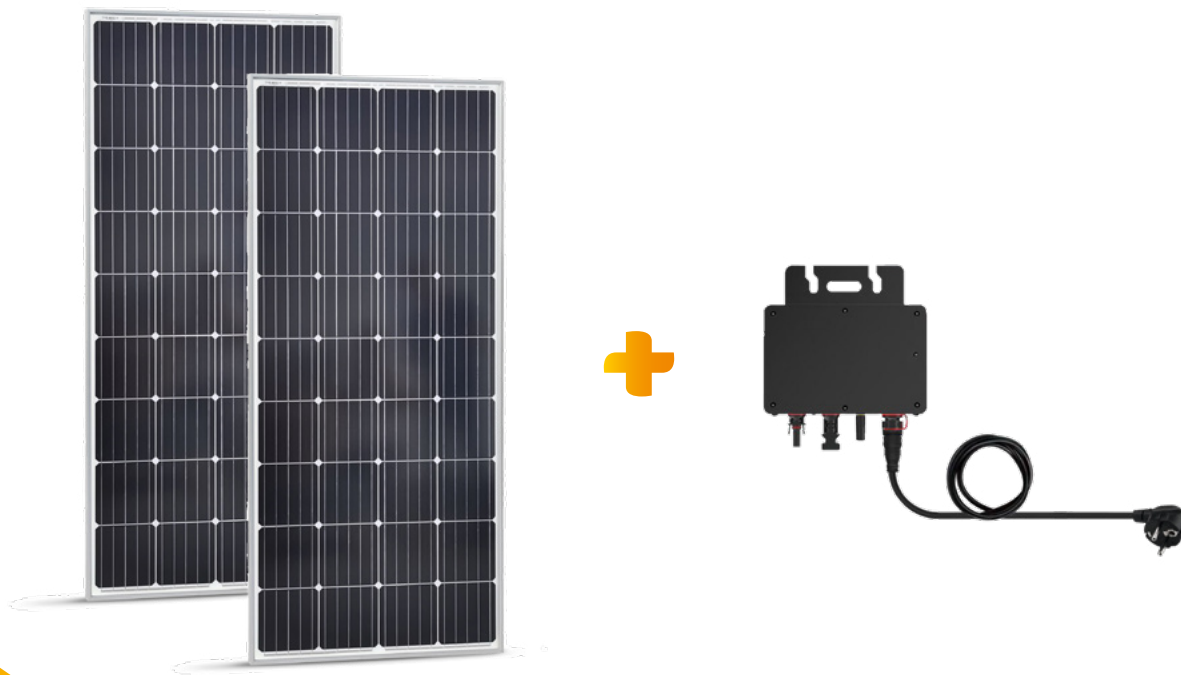


# Solar Balcony Kit



## Solar Balcony Kit

2X FU190M NEXT + RHINO 350 W

Transform your balcony  
in a power plant with the plug

- Ideal for installation on balconies, terraces, gardens
- Plug & Play system up to 350 W
- Integrated Wi-Fi for immediate reading of the yield via app or pc
- Partializable power

Solar balcony kit - OffgridSun

## 2X PV MODULES FU190M NEXT

ELECTRICAL DATA		
MODEL	FU 190 M Next	
<i>Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - tolerance &lt;3%</i>		
Module power (Pmax)	W	190
Open circuit voltage (Voc)	V	24.98
Short circuit current (Isc)	A	9.72
Maximum power voltage (Vmpp)	V	20.31
Maximum power current (Impp)	A	9.36
Module efficiency	%	19.16
<i>Nominal Module Operating Temperature NMOT: 800 W/mq - T=45 °C - AM 1.5</i>		
Module power (Pmax)	W	139.53
Open circuit voltage (Voc)	V	23.04
Short circuit current (Isc)	A	7.99
Maximum power voltage (Vmpp)	V	18.38
Maximum power current (Impp)	A	7.59
TEMPERATURE RATINGS		
Temperature coefficient Isc	%/°C	0.037
Temperature coefficient Voc	%/°C	-0.266
Temperature coefficient Pmax	%/°C	-0.366
NMOT *	°C	45
Operating temprature	°C	-40 to +85

\* Nominal Operating Cell Temperature

MECHANICAL SPECIFICATIONS	
Dimensions	1480 x 670 x 30 mm
Weight	10 kg
Glass	Tempered, transparent, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	36 monocrystalline cells 156 x 156 mm
Backsheet	Composite multilayer film
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Certified according to IEC 62790, IP 68 approved
Cables	900 mm

Fixing structure not included.  
Check with a professional the most suitable structure.

## RHINO 350 W MICRO INVERTER

ELECTRICAL DATA		
MODEL	Rhino	
Recommend Module Power	W	260-470
Output voltage mode	V	120/230 Auto
Open circuit voltage range	Voc	30-60
Peak power tracking voltage	V	22-60
Min/Max starting voltage	V	22-60
Maximum DC short circuit current	A	18
Maximum input working current	A	16
Output voltage	VAC	230
Static MPPT efficiency	%	99.5
Max output efficiency	%	95
Loss of power at night	W	<0.5W
Total current harmonics	%	<5
Rated output power	W	350
Rated output current	A	2.91
Rated voltage range	V	85-170
Rated frequency range	Hz	47-52/57-62
Maximum number of branches	Pcs	15
Maximum DC short circuit current	A	18
Maximum input working current	A	16

APPEARANCE AND TECHNICAL FEATURES	
Temperature range	-40°C to +65°C
Size	165 mm × 176 mm × 38 mm
Net amount	0.82 kg
Waterproof grade	Ip67 Nema6
Heat dissipation mode	Self-cooling
Communication mode	WIFI/433 MHz
Power transmission mode	Reverse transmission, Load priority
Monitoring system	APP, PC
Electromagnetic detection	EN50081.part1EN50082.part1.CSA STD.C22.2 No
Power grid standard	EN61000-3-2 EN62109.UL STD.1741
Power grid detection	DIN VDE0126 VDE4105 IEEE STD.1547.1 1547A

PACKING		
	Single	Box (15 Pcs)
Weight	21 kg	35 kg
Size	245×202×60mm	460×405×360mm

