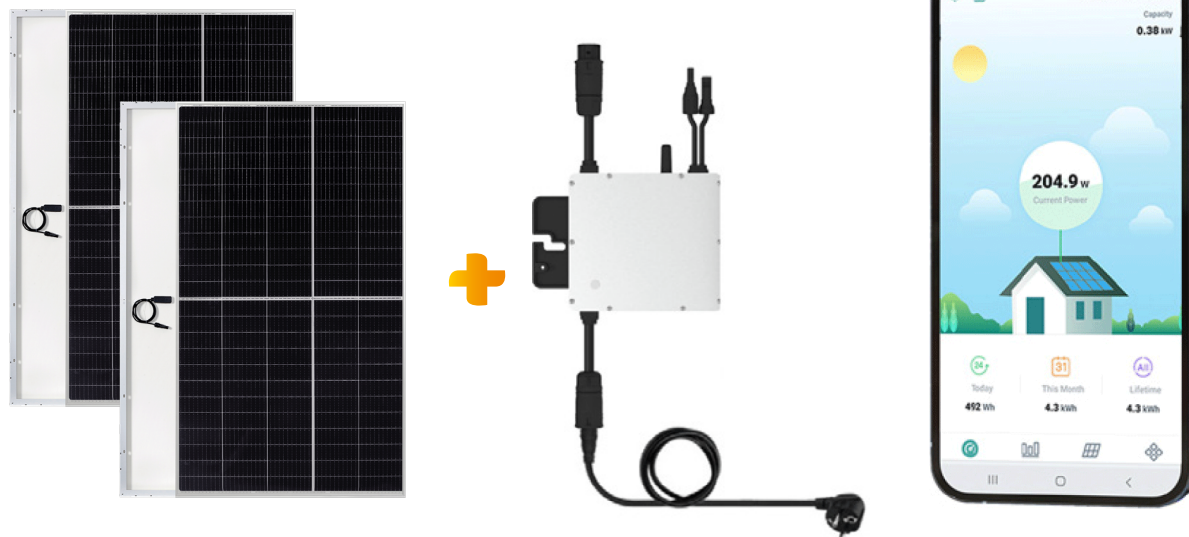


Solar Balcony Kit



Solar Balcony Kit

2X FU400M SILK PREMIUM + HMS-800 W

The Plug & Play kit makes your balcony produce energy

- Built-in WiFi gateway for control via app
- Plug & Play system up to 800 W
- CEI-021 certified microinverter for network connection
- Ideal for installations on balconies, terraces, gardens

Kit balcone solare - OffgridSun

2X PV MODULES FU400M SILK PREMIUM

ELECTRICAL DATA		
MODEL	FU 400 M Silk Premium	
Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - tolerance <3%		
Module power (Pmax)		400
Open circuit voltage (Voc)		41.10
Short circuit current (Isc)		12.32
Maximum power voltage (Vmpp)		34.10
Maximum power current (Impp)		11.74
Module efficiency		20.77
Nominal Module Operating Temperature NMOT: 800 W/mq - T=45 °C - AM 1.5		
Module power (Pmax)	W	303
Open circuit voltage (Voc)	V	38.90
Short circuit current (Isc)	A	9.86
Maximum power voltage (Vmpp)	V	32.30
Maximum power current (Impp)	A	9.38

TEMPERATURE RATINGS		
Temperature coefficient Isc	%/°C	0.05
Temperature coefficient Voc	%/°C	-0.26
Temperature coefficient Pmax	%/°C	-0.35
NMOT *	°C	43
Operating temperature	°C	from -40 to +85

* Nominal Operating Cell Temperature

MECHANICAL SPECIFICATIONS	
Dimensions	1754 x 1098 x 35 mm
Weight	21 kg
Glass	High transmission, low iron, tempered, ARC, thickness, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	120 celle monocrystalline third-cut MBB PERC 210 x 70 mm
Backsheet	Composite multilayer film
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Certified according IEC 62790, approved IP 68, 3 bypass diodes
Cables	Solar cable, lenght 1200 mm or customized assembled 4 mm ² compatibel connectors

Fixing structure not included.

Check with a professional the most suitable structure.

MICRO INVERTER HMS-800 W

ELECTRICAL DATA		
MODEL	HMS-800 W	
Module power	W	320-500+
Maximum input voltage	V	65
MPPT voltage range	V	16-60
Start-up voltage	V	22
Maximum input current	A	2 x 12.5
Maximum input short circuit current	A	2 x 20
Number of MPPTs		2
Number of inputs per MPPT		1
Rated output power	W	800
Rated output current	A	3.48
Nominal output voltage/range ¹	V	230/180-275
Nominal frequency/range ¹	Hz	50/45-55
Power factor (adjustable)		> 0.99 default
Total harmonic distortion	%	< 3
Maximum unit per branch ²		9
CEC peak efficiency	%	96.70
CEC weighted efficiency	%	96.50
Nominal MPPT efficiency	%	99.80
Nighttime power consumption	mW	< 50

APPEARANCE AND TECHNICAL FEATURES	
Ambient temperature range	da -40°C a +65°C
Dimensions	261 mm × 180 mm × 35.1 mm
Net amount	3,2 kg
Waterproof grade	Outdoor Ip67 Nema6
Heat dissipation mode	Natural convection (no fans)
Communication mode	Sub-1G
Type of isolation	Galvanically Isolated HF Transformer
Monitoring	S-Miles Cloud
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

*1 Nominal voltage/frequency range can vary depending on local requirements.

*2 Refer to local requirements for exact number of microinverters per branch.

*3 Hoymiles Monitoring System.

