

BIPV

FU 240 / 245 / 250 / 255 M SILK® Pro Orange

Monocrystalline Photovoltaic Module - 120 half-cut MBB cells

Engineered
in Italy

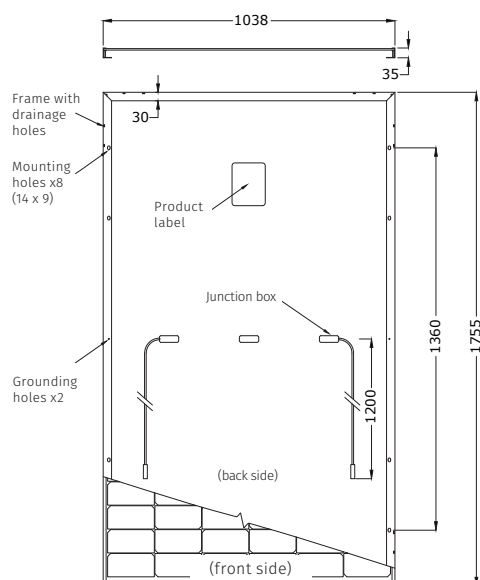
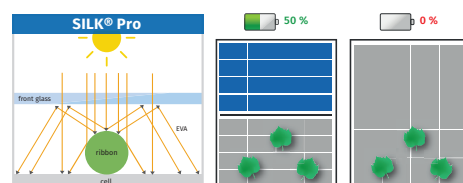
RAL 8023



CE

GENERAL FEATURES

- 15-year product warranty
- 120 cells **PERC 166 mm with 9 busbar**
- **Orange colored glass** for special architectural requirements
- Particularly suitable for **Building Integrated Photovoltaics**
- Possibility to **customize the frame color**
- **New buildings with tiled roof**
- Other glass colors available
- **Less shades and more reflected light** to the cell thanks to the round ribbon
- Module configuration with half cut design for an **improved behavior under shaded conditions**



Note: dimensions in mm
tolerance +/- 2 mm

GUARANTEES

Performance guarantee

Max power decrease **0.5%/year**
 37% at the end of first year
90% at the end of 20th year
 37% at the end of **25th year**

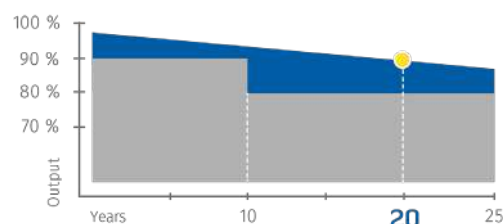
NEW

Product guarantee

15 YEARS

NEW

Market standard performances
 FuturaSun performances



CARATTERISTICHE ELETTRICHE					
MODULE SILK® Pro		FU 240 M SILK® Pro Orange	FU 245 M SILK® Pro Orange	FU 250 M SILK® Pro Orange	FU 255 M SILK® Pro Orange
Standard Test Conditions STC: 1000 W/m² - AM 1,5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)					
Module power (Pmax)	W	240	245	250	255
Open circuit voltage (Voc)	V	40,38	40,58	40,77	40,97
Short circuit current (Isc)	A	7,45	7,55	7,63	7,72
Maximum power voltage (Vmpp)	V	34,21	34,41	34,61	34,8
Maximum power current (Impp)	A	7,02	7,13	7,23	7,33
Module efficiency	%	13,17	13,45	13,72	14,00

Nominal Module Operating Temperature NMOT: 800 W/m² - T=45 °C - AM 1.5					
Module power (Pmax)	W	182	186	189	
Open circuit voltage (Voc)	V	38.09	38.29	38.49	
Short circuit voltage (Isc)	A	5.87	5.95	6.01	
Maximum power voltage (Vmpp)	V	32.04	32.23	32.41	
Maximum power current (Impp)	A	5.67	5.76	5.84	

TEMPERATURE RATINGS		
Temperature coefficient Isc	%/°C	0.05
Temperature coefficient Voc	%/°C	-0.28
Temperature coefficient Pmax	%/°C	-0.35
NMOT *	°C	45
Operating temperature	°C	from -40 to +85

*Nominal Module Operating Temperature

MECHANICAL SPECIFICATIONS	
Dimensions	1755 x 1038 x 35 mm
Weight	19.7 kg
Glass	Orange colored RAL 8023, Low iron, Tempered, Transparent, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	120 monocrystalline half-cut PERC cells 166 x 83 mm
Backsheet	Composite multilayer film
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Certified according to IEC 62790, IP 68 approved, 3 bypass diodes
Cables	Solar cable, length 1200 mm or customized assembled with MC4-compatible plugs
Maximum reverse current (Ir)	20 A
Maximum system voltage	1000 V (1500 V on request)
Mechanical load (snow)	Design load: 3600 Pa 5400 Pa (including safety factor 1.5)
Mechanical load (wind)	Design load: 1600 Pa 2400 Pa (including safety factor 1.5)
Protection Class	II - accordance to IEC 61730

Authorized Dealer



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