

Silk[®] Pro Orange



250 W PERC

Maximum power

Technology inside

KEY BENEFITS AND FEATURES



Power **250 Watt**



120 M6 **PERC** half-cut cells



Orange-terracotta colored glass and frame for special architectural requirements (similar to RAL 8023)*



Coloured glass for a **consistent appearance over time**



Perfect for traditional **roofs with terracotta tiles** and historical areas



1755 x 1038 x 35 mm

Performance guarantee

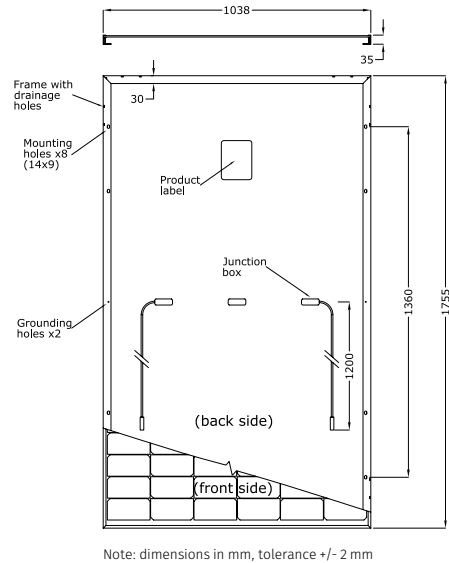
- **25-years** performance warranty with max power decrease from 2nd year **0.5%/year**
- **97%** at the end of first year
- **90%** at the end of 20th year
- **87%** at the end of 25th year

Product guarantees

- **15-year** product warranty
- Third-party product **liability** insurance
- All FuturaSun's modules are designed and guaranteed by the **Italian** headquarters

Mechanical Specifications

Dimensions	1755 x 1038 x 35 mm
Weight	19.7 kg
Glass	Orange, High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm
Cells	120 monocrystalline half-cut MBB PERC cells 166 x 83 mm
Frame	Varnished anodized aluminium frame with mounting and drainage holes
Junction boxes	Certified according to IEC 62790, IP 68 approved, 3 bypass diodes
Cables	Solar cable, length 1200 mm or customized assembled with 4mm² compatible connectors
Backsheet	Composite Multilayer film - white
Maximum reverse current (Ir)	25 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)



Electrical data - STC*

FU 250 M

Sorting tolerance	W	0/+5
Module power (Pmax)	W	250
Open circuit voltage (Voc)	V	40.77
Short circuit current (Isc)	A	7.63
Maximum power voltage (Vmpp)	V	34.61
Maximum power current (Impp)	A	7.23
Module efficiency	%	13.72

Electrical data - NOCT**

FU 250 M

Module power (Pmax)	W	189
Open circuit voltage (Voc)	V	38.49
Short circuit current (Isc)	A	6.01
Maximum power voltage (Vmpp)	V	32.41
Maximum power current (Impp)	A	5.84

Temperature ratings

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

Certifications

Factory	ISO 9001 - 14001 - 45001
Protection class	II - accordance to IEC 61730

Packaging

Quantity / Pallet	31-34 pcs
Container 40' HC	845 pcs / 26 pallets

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*Standard Test Conditions STC: 1000 W/m² - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)
**Nominal Operating Cell Temperature NOCT: 800 W/m² - T=45 °C - AM 1.5
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