Silk® Plus All Black





PERC | TECHNOLOGY INSIDE

400 W 20.48 %

Maximum power

Maximum efficiency

KEY BENEFITS AND FEATURES



Power 400 Watt



108 M10 PERC half-cut cells



Ideal for **residential** installations with black roofs and available in the **Carbon Neutral** version



The design with **two independent sections** ensures a higher energy yield under shaded conditions



Black frame and black backsheet



1722 x 1134 x 30 mm

Performance guarantee

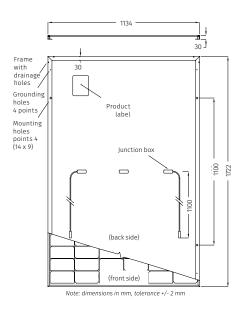
- 25-years performance warranty with max power decrease from 2nd year 0.5%/year
- · 97% at the end of first year
- 90% at the end of 20th year
- · 87% at the end of 25th year

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	1722 x 1134 x 30 mm
Weight	20.8 kg
Glass	High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm
Cells	108 monocrystalline half-cut MBB PERC cells 182 x 91 mm
Frame	Black 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 1100 mm or customized assembled with 4mm² compatible connectors
Backsheet	Composite Multilayer film - black front and white back
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*

Sorting tolerance	%	0/+5
Module power (Pmax)	W	400
Open circuit voltage (Voc)	٧	37.13
Short circuit current (Isc)	А	13.75
Maximum power voltage (Vmpp)	٧	31.01
Maximum power current (Impp)	А	12.9
Module efficiency	%	20.48

FU 400 M

Electrical data - NOCT" FU 400 M

Module power (Pmax)	W	300
Open circuit voltage (Voc)	V	34.96
Short circuit current (Isc)	А	10.94
Maximum power voltage (Vmpp)	٧	29.19
Maximum power current (Impp)	А	10.28

Temperature ratings

Temperature coefficient Isc	%/°C	0.05
Temperature coefficient Voc	%/°C	-0.27
Temperature coefficient Pmax	%/°C	-0.35
NOCT**	°C	45
Operating temperature	°C	from -40 to +85

Certifications

Factory	ISO 9001 - 14001 - 45001
Product	IEC EN 61215 - IEC EN 61730 Class 1 UN19177, IEC EN 61701, IEC EN 62716, MCS, EPD

Packaging

Quantity / Pallet	36 pcs
Container 40' HC	936 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



