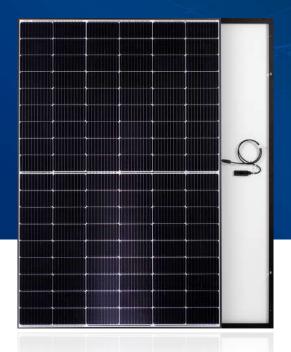
Silk® Plus





PERC | TECHNOLOGY INSIDE

410 W 21 %

Maximum power

Maximum efficiency

KEY BENEFITS AND FEATURES



Power 410 Watt



108 M10 PERC half-cut cells



Black frame and white backsheet



Half-cut design in combination with **multi-busbar** reduce operating current and internal resistance



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



1722 x 1134 x 30 mm

Performance guarantee

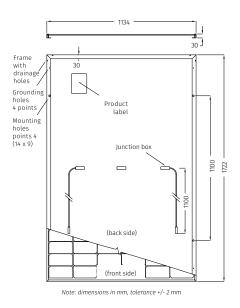
- 25-years performance warranty with max power decrease from 2nd year **0.5%**/year
- 97% at the end of first year
- 90% at the end of 20th year
- · 87% at the end of 25th year

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

Veight 20.8 kg High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm 108 monocrystalline half-cut MBB PERC cells 182 x 91 mm Black anodized aluminium frame with mounting and drainage holes unction boxes Certified according to IEC 62790, IP 68 approved, 3 bypass diodes Solar cable, length 1100 mm or customized assembled with 4mm² compatible connectors Backsheet Composite Multilayer film - white		
High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm 108 monocrystalline half-cut MBB PERC cells 182 x 91 mm Black anodized aluminium frame with mounting and drainage holes unction boxes Certified according to IEC 62790, IP 68 approved, 3 bypass diodes Solar cable, length 1100 mm or customized assembled with 4mm² compatible connectors Backsheet Composite Multilayer film - white	Dimensions	1722 x 1134 x 30 mm
Teells 108 monocrystalline half-cut MBB PERC cells 182 x 91 mm Black anodized aluminium frame with mounting and drainage holes unction boxes Certified according to IEC 62790, IP 68 approved, 3 bypass diodes Solar cable, length 1100 mm or customized assembled with 4mm² compatible connectors Backsheet Composite Multilayer film - white	Weight	20.8 kg
Black anodized aluminium frame with mounting and drainage holes Certified according to IEC 62790, IP 68 approved, 3 bypass diodes Solar cable, length 1100 mm or customized assembled with 4mm² compatible connectors Composite Multilayer film - white	Glass	High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm
unction boxes Certified according to IEC 62790, IP 68 approved, 3 bypass diodes Solar cable, length 1100 mm or customized assembled with 4mm² compatible connectors Backsheet Composite Multilayer film - white	Cells	108 monocrystalline half-cut MBB PERC cells 182 x 91 mm
Solar cable, length 1100 mm or customized assembled with 4mm² compatible connectors Composite Multilayer film - white	Frame	Black anodized aluminium frame with mounting and drainage holes
assembled with 4mm² compatible connectors Composite Multilayer film - white	Junction boxes	Certified according to IEC 62790, IP 68 approved, 3 bypass diodes
	Cables	
Maximum reverse current (Ir) 25 A	Backsheet	Composite Multilayer film - white
	Maximum reverse current (Ir)	25 A
Maximum system voltage 1000 V (1500 V on request)	Maximum system voltage	1000 V (1500 V on request)
Aechanical load (snow) Design load: 3600 Pa, (5400 Pa including safety factor 1.5)	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)	Mechanical load (wind)	Design load: 1600 Pa, (2400 Pa including safety factor 1.5)



Electrical data - STC*

Sorting tolerance	W	0/+5
Module power (Pmax)	W	410
Open circuit voltage (Voc)	٧	37.35
Short circuit current (Isc)	А	13.89
Maximum power voltage (Vmpp)	٧	31.36
Maximum power current (Impp)	А	13.08
Module efficiency	%	21.00

FU 410 M

Electrical data - NOCT" FU 410 M

Module power (Pmax)	W	308
Open circuit voltage (Voc)	٧	35.24
Short circuit current (Isc)	А	11.12
Maximum power voltage (Vmpp)	٧	29.53
Maximum power current (Impp)	А	10.43

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 UNI9177, IEC EN 61701, IEC EN 62716, MCS, EPD

Packaging

Quantity / Pallet	36 pcs
Container 40' HC	936 pcs / 26 pallets

The information included in this module datasheet is subject to change without notice and is provided for informational purposes only. No contractual rights are established or should be inferred because of user's reliance on the information contained in this module datasheet. Please refer to the appropriate module user guide and module product specification document for more detailed technical information regarding module performance, installation and use.

*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 Notice: All data and specifications are preliminary and subject to change without notice.



