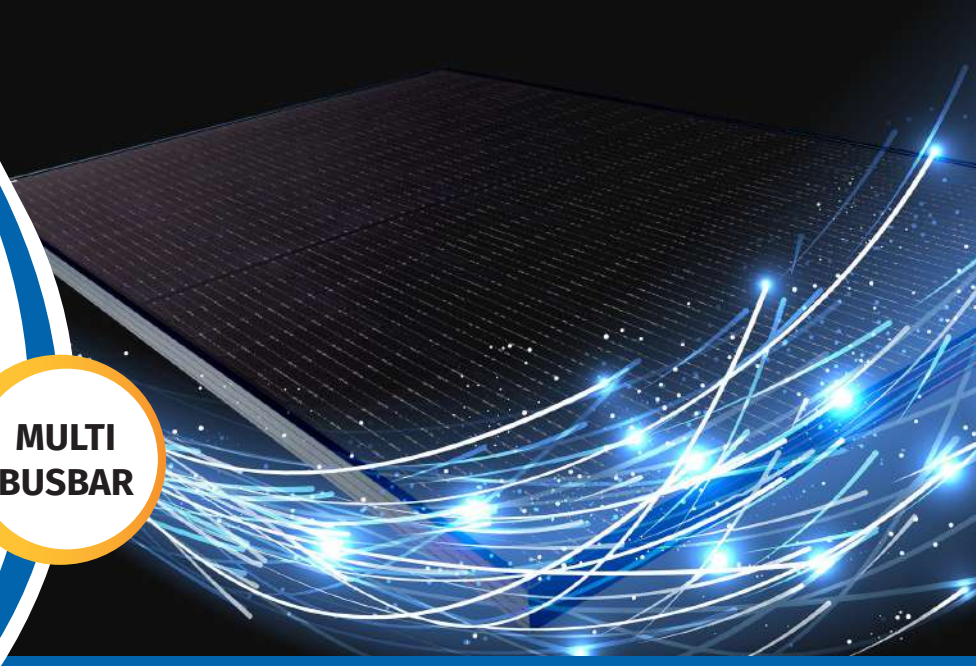
FuturaSun®
anticipate tomorrow



MULTI BUSBAR

FU 360 / 365 / 370 M SILK® Pro - All Black

Monocrystalline Photovoltaic Module - 120 half-cut MBB cells

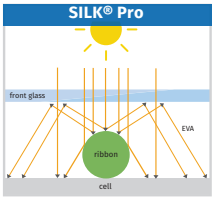
Engineered in Italy

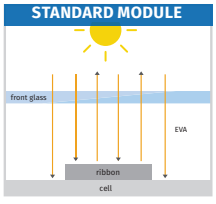
LIABILITY INSURANCE

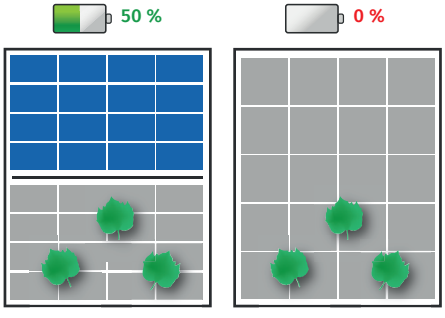
- IEC 61215:2016 - IEC 61730:2016 & Factory Inspection
- Fire Resistance - Class C

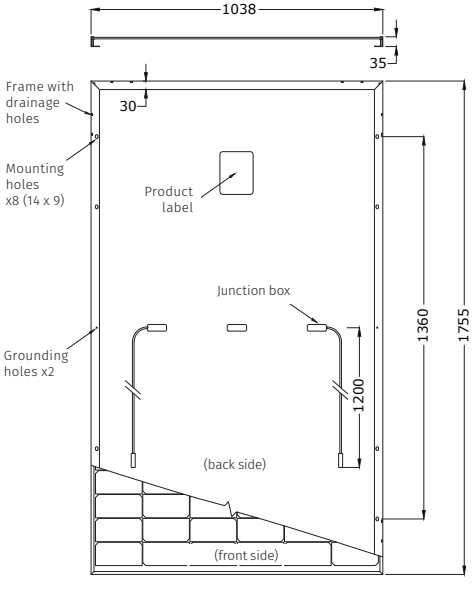
GENERAL FEATURES

- **Total black look for particular architectural requirements**
- **15-year product warranty**
- **9 busbar 166 mm half-cut PERC cells**
- **High module efficiency up to 20.31%**
- **Less shades and more reflected light** to the cell thanks to the round ribbon
- **2 independent section** design secures a higher energy yield in case of shading
- **Low Hot-Spot risk** thanks to half-cut design and multi busbar
- **Improved low light performance**
- **Low NMOT,** improving the power generation efficiency
- **Half cut design in combination with multi busbar** reduce internal resistance **increasing the power output**









Note: dimensions in mm tolerance +/- 2 mm

GUARANTEES

Performance guarantee

Max power decrease **0.5%**/year

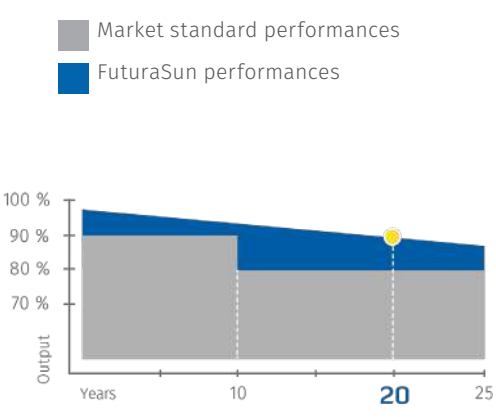
97% at the end of first year

90% at the end of 20th year NEW

87% at the end of **25th** year

Product guarantee

15 YEARS NEW



ELECTRICAL DATA

MODULE SILK® Pro		FU 360 M SILK® Pro	FU 365 M SILK® Pro	FU 370 M SILK® Pro
Standard Test Conditions STC: 1000 W/m² - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)				
Module power (Pmax)	W	360	365	370
Open circuit voltage (Voc)	V	40.80	41	41.20
Short circuit current (Isc)	A	11.15	11.23	11.31
Maximum power voltage (Vmpp)	V	33.81	34.02	34.23
Maximum power current (Impp)	A	10.65	10.73	10.81
Module efficiency	%	19.76	20.04	20.31
Nominal Module Operating Temperature NMOT: 800 W/m² - T=45 °C - AM 1.5				
Module power (Pmax)	W	266	269	273
Open circuit voltage (Voc)	V	37.75	37.96	38.16
Short circuit voltage (Isc)	A	9.11	9.16	9.21
Maximum power voltage (Vmpp)	V	31.10	31.30	31.50
Maximum power current (Impp)	A	8.54	8.60	8.66

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	High transmission, Low iron, Tempered, ARC, Transparent, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	120 monocrystalline half-cut PERC cells 166 x 83 mm
Backsheet	Black composite multilayer film
Frame	Black 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

2022_120m_360-365-370_SILK_Pro_AB_en

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