



**MULTI
BUSBAR**

FU 370 / 380 M SILK[®] Pro

Monocrystalline Photovoltaic Module - 120 half-cut MBB cells

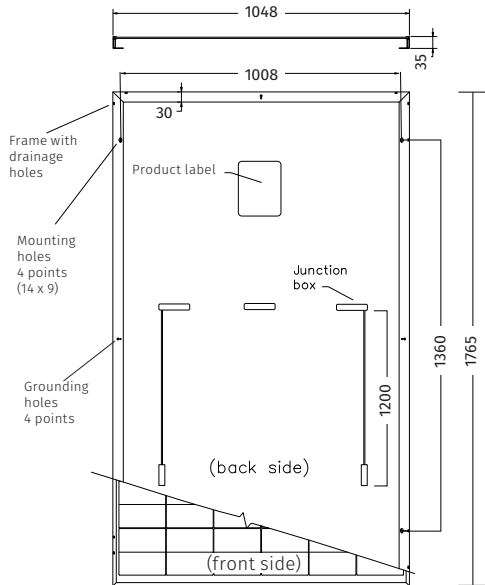
Engineered
in Italy



› IEC 61215:2016 - IEC 61730:2016
& Factory Inspection
› Fire Class C as per UL 790



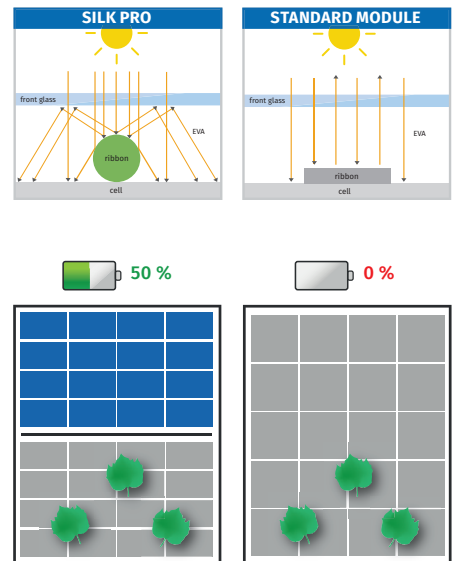
CE



Note: dimensions in mm
tolerance +/- 2 mm

GENERAL FEATURES

- 15-year product warranty
- 9 busbar 166 mm half-cut PERC cells
- High module efficiency up to 20.54%
- 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
- Lower risk of micro cracks and hot-spot
- Improved low light performance
- Low NMOT, improving the power generation efficiency
- Half cut design in combination with multi busbar reduce operating current and internal resistance



GUARANTEES

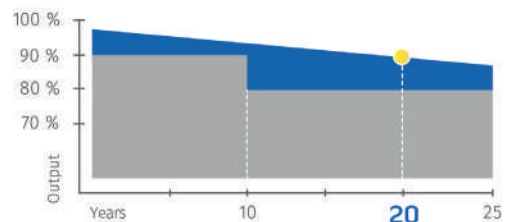
Performance guarantee

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**

Market standard performances
FuturaSun performances



ELECTRICAL DATA

MODULE SILK® Pro		FU 370 M SILK® Pro	FU 380 M SILK® Pro
<i>Standard Test Conditions STC: 1000 W/m² - AM 1.5 - 25 °C - tolerance: Pmax (±3%). Voc (±4%). Isc (±5%)</i>			
Module power (Pmax)	W	370	380
Open circuit voltage (Voc)	V	41.20	41.60
Short circuit current (Isc)	A	11.31	11.47
Maximum power voltage (Vmpp)	V	34.23	34.64
Maximum power current (Impp)	A	10.81	10.97
Module efficiency	%	20.00	20.54

<i>Nominal Module Operating Temperature NMOT: 800 W/m² - T=45 °C - AM 1.5</i>			
Module power (Pmax)	W	273	280
Open circuit voltage (Voc)	V	38.16	38.54
Short circuit current (Isc)	A	9.21	9.31
Maximum power voltage (Vmpp)	V	31.50	31.90
Maximum power current (Impp)	A	8.66	8.78

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 *For All Black version

MECHANICAL SPECIFICATIONS

Dimensions	1765 x 1048 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	White or black* composite multilayer film
Frame	Silver or 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 assembled with TongLing TL-CABLE01 or Stäubli PV-KST4/xz-UR or Zhejiang Jiaming PV-JM601
Maximum reverse current (Ir)	20 A
Maximum system voltage	1000 V
Mechanical load (snow)	Design load: 3600 Pa
Mechanical load (wind)	Design load: 1600 Pa
Protection Class	II - accordance to IEC 61730
Manufacturer	Made in China

Authorized Dealer

2021_120m_370-380_Silk_Pro_au



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