



**MULTI
BUSBAR**

FU 370 / 380 MV SILK® Pro

Monocrystalline Photovoltaic Module - 120 half-cut MBB cells

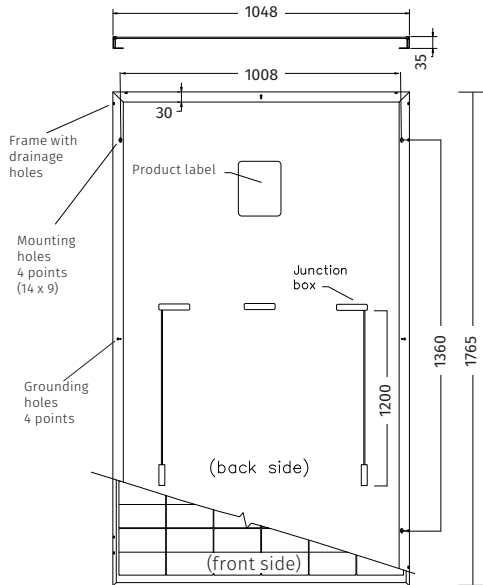
Engineered
in Italy



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



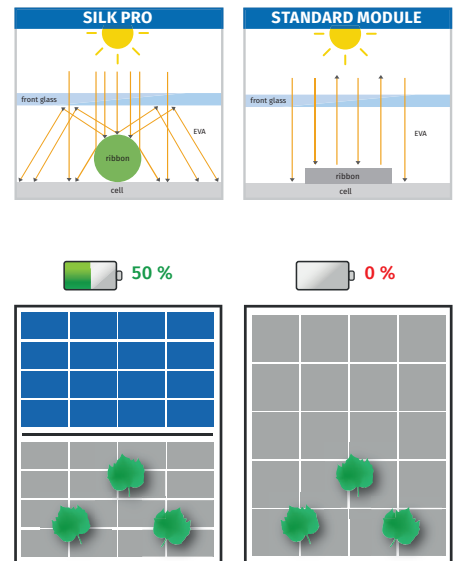
CE



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

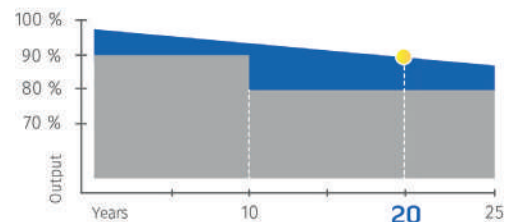
Performance guarantee

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 MV SILK® Pro | FU 380 MV 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 or customized assembled with TongLing TL-CABLE01S or Zhejiang Jiaming PV-JM608 |
| Maximum reverse current (Ir) | 20 A |
| Maximum system voltage | 1500 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_120mmv_370-380_Silk_Pro_au



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