



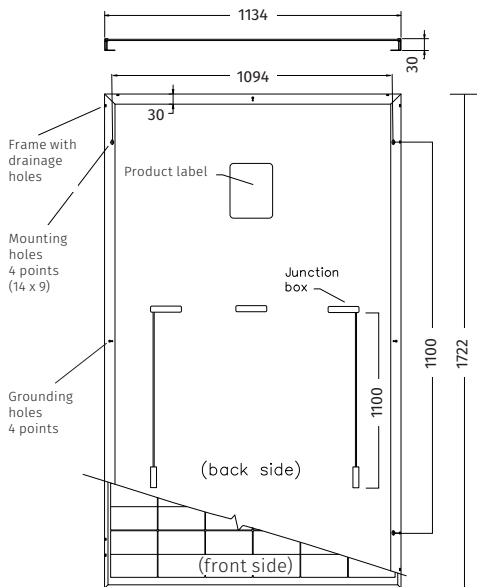
**MULTI
BUSBAR**

FU 390 / 395 / 400 / 405 M SILK® Plus All Black
Monocrystalline Photovoltaic Module - 108 half-cut MBB cells

Engineered
in Italy



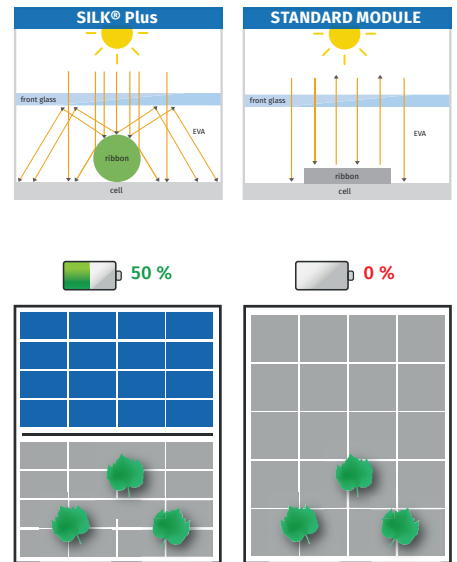
- > IEC 61215:2016 - IEC 61730:2016 & Factory Inspection
- > Fire Resistance - Class C



Note: dimensions in mm
tolerance +/- 2 mm

GENERAL FEATURES

- 15-year product warranty
- Total black look for particular architectural requirements
- 108 large area PERC cells 182 mm
- High module efficiency up to 20.74 %
- 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

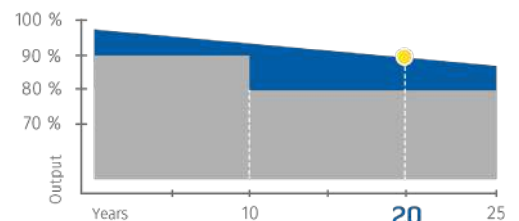
Performance guarantee

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® Plus		FU 390 M SILK® Plus	FU 395 M SILK® Plus	FU 400 M SILK® Plus	FU 405 M SILK® Plus
<i>Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)</i>					
Module power (Pmax)	W	390	395	400	405
Open circuit voltage (Voc)	V	36.91	37.02	37.13	37.24
Short circuit current (Isc)	A	13.61	13.68	13.75	13.82
Maximum power voltage (Vmpp)	V	30.62	30.82	31.01	31.18
Maximum power current (Impp)	A	12.74	12.82	12.90	12.99
Module efficiency	%	19.97	20.22	20.48	20.74

Nominal Module Operating Temperature NMOT: 800 W/mq - T=45 °C - AM 1.5

Module power (Pmax)	W	292	296	300	304
Open circuit voltage (Voc)	V	34.69	34.83	34.96	35.11
Short circuit current (Isc)	A	10.76	10.85	10.94	11.03
Maximum power voltage (Vmpp)	V	28.86	29.02	29.19	29.36
Maximum power current (Impp)	A	10.12	10.20	10.28	10.36

TEMPERATURE RATINGS

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

*Nominal Module Operating Temperature

MECHANICAL SPECIFICATIONS

Dimensions	1722 x 1134 x 30 mm
Weight	20.8 kg
Glass	High transmission, Low iron, Tempered, ARC, Transparent, 3.2 mm
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Cells	108 monocrystalline half-cut MBB PERC cells 182 x 91 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 1100 mm or customized assembled with MC4-compatible plugs
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)
Protection Class	II - accordance to IEC 61730

Authorized Dealer



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