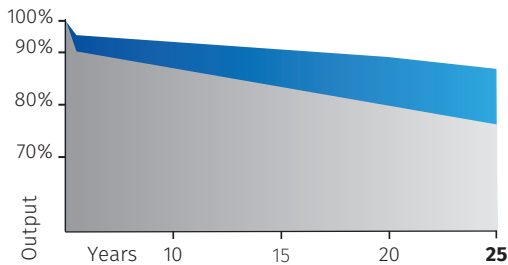


# FU 275/280/285 M Silk® Pro Silver

## PERC MBB half-cut cells

### PERFORMANCE GUARANTEE

Max power decrease from 2<sup>nd</sup> year 0,5%/year  
 97% at the end of first year  
 90% at the end of 20<sup>th</sup> year  
 87% at the end of 25<sup>th</sup> year



■ Market standard performances  
 ■ FuturaSun performances



**275-285 Wp**

**POWER RANGE**

**-0.35 %/°C**

**TEMPERATURE COEFFICIENT**



**120 HALF-CUT MBB CELLS**

### GENERAL FEATURES & KEY BENEFITS



- 25-year performance guarantee & 15-year product warranty
- Particularly suitable for Building Integrated Photovoltaics (BIPV)



- Silver colored glass and frame for special architectural requirements (RAL 7047)



- For innovative photovoltaic façades of high aesthetical value and for modern buildings featuring clean and elegant lines

- Possibility to customize frame and glass colour

- Less shades and more reflected light to the cell thanks to the round ribbon



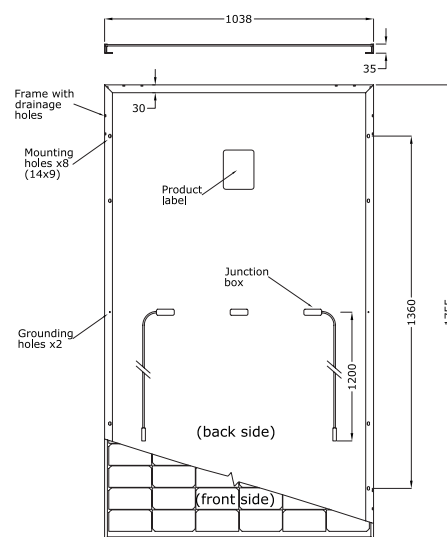
- 2 independent section design secures a higher energy yield under shaded conditions



For detailed information, please refer to the installation manual

**MECHANICAL SPECIFICATIONS**

Dimensions	1755 x 1038 x 35 mm
Weight	19.7 kg
Glass	Silver colored RAL 7047, tempered, thickness, 3.2 mm
Cells	120 monocrystalline half cut MBB PERC cells 166 x 83 mm
Frame	Anodized aluminium frame with mounting and drainage holes
Junction boxes	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



Note: dimensions in mm, tolerance +/- 2 mm

**ELECTRICAL DATA - STC\***

		FU 275 M	FU 280 M	FU 285 M
Module power (Pmax)	W	275	280	285
Open circuit voltage (Voc)	V	40.3	40.5	40.7
Short circuit current (Isc)	A	8.65	8.72	8.79
Maximum power voltage (Vmpp)	V	33.75	33.99	34.22
Maximum power current (Impp)	A	8.15	8.24	8.33
Module efficiency	%	15.10	15.37	15.64

**ELECTRICAL DATA - NMOT\*\***

		FU 275 M	FU 280 M	FU 285 M
Module power (Pmax)	W	208	212	216
Open circuit voltage (Voc)	V	38.02	38.22	38.43
Short circuit voltage (Isc)	A	6.81	6.87	6.92
Maximum power voltage (Vmpp)	V	31.61	31.83	32.04
Maximum power current (Impp)	A	6.58	6.65	6.73

**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

**PACKAGING INFORMATION**

Quantity / Pallet	31 - 34 pcs
Container 40' HQ	845 pcs / 26 pallets

\*Standard Test Conditions STC: 1000 W/m<sup>2</sup> - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)

\*\*Nominal Module Operating Temperature NMOT: 800 W/m<sup>2</sup> - T=45 °C - AM 1.5.

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

