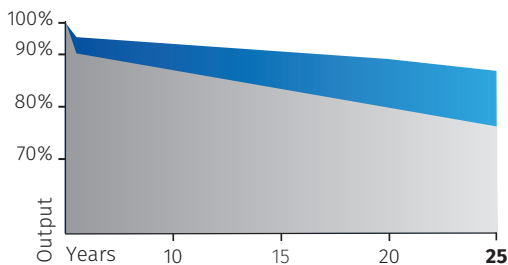


## FU 340/345/350 M Silk® Plus Red

### 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

**340 - 350 Wp**

**POWER RANGE**

**-0.35 %/°C**

**TEMPERATURE COEFFICIENT**



**108 HALF-CUT MBB CELLS**

#### GENERAL FEATURES & KEY BENEFITS



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



- Red coloured glass and frame for special architectural requirements (similar to RAL 3009)\*



- For buildings of high aesthetical value and for areas subject to landscape constraints



- 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

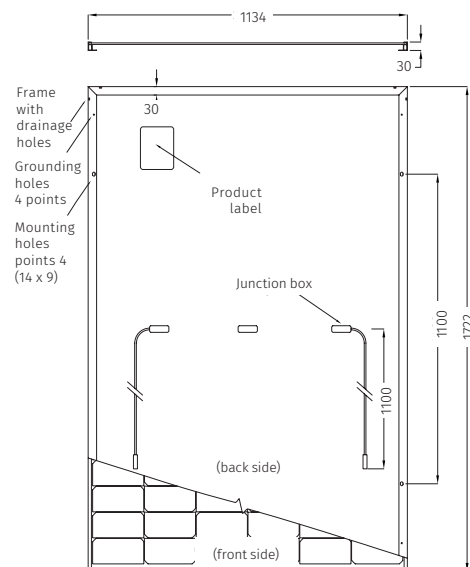
- Long cable as standard suitable for landscape configurations



For detailed information, please refer to the installation manual

**MECHANICAL SPECIFICATIONS**

Dimensions	1722 x 1134 x 30 mm
Weight	20.8 kg
Glass	Red colour, tempered, thickness, 3.2 mm
Cells	108 monocrystalline half cut MBB PERC cells 182 x 91 mm
Frame	Varnished aluminium frame with mounting and drainage holes
Junction boxes	Certified according to IEC 62790, IP 68 approved, 3 bypass diodes
Cables	Solar cable, length 1100 mm or customized assembled with 4mm <sup>2</sup> compatible connectors
Maximum reverse current (I <sub>r</sub> )	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



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

**ELECTRICAL DATA - STC\***

		FU 340 M	FU 345 M	FU 350 M
Module power (P <sub>max</sub> )	W	340	345	350
Open circuit voltage (V <sub>oc</sub> )	V	36.85	37	37.14
Short circuit current (I <sub>sc</sub> )	A	11.59	11.71	11.83
Maximum power voltage (V <sub>mpp</sub> )	V	30.59	30.71	30.83
Maximum power current (I <sub>mpp</sub> )	A	11.12	11.24	11.36
Module efficiency	%	17.41%	17.66%	17.92%

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

		FU 340 M	FU 345 M	FU 350 M
Module power (P <sub>max</sub> )	W	257	261	265
Open circuit voltage (V <sub>oc</sub> )	V	34.76	34.91	35.06
Short circuit current (I <sub>sc</sub> )	A	9.13	9.23	9.32
Maximum power voltage (V <sub>mpp</sub> )	V	28.64	28.76	28.87
Maximum power current (I <sub>mpp</sub> )	A	8.98	9.08	9.18

**TEMPERATURE RATINGS**

Temperature coefficient I <sub>sc</sub>	%/°C	0.05
Temperature coefficient V <sub>oc</sub>	%/°C	-0.28
Temperature coefficient P <sub>max</sub>	%/°C	-0.35
NMOT**	°C	45
Operating temperature	°C	from -40 to +85

**PACKAGING INFORMATION**

Quantity / Pallet	36 pcs
Container 40' HQ	936 pcs / 26 pallets

\*Standard Test Conditions STC: 1000 W/m<sup>2</sup> - AM 1.5 - 25 °C - tolerance: P<sub>max</sub> (±3%), V<sub>oc</sub> (±4%), I<sub>sc</sub> (±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.

