

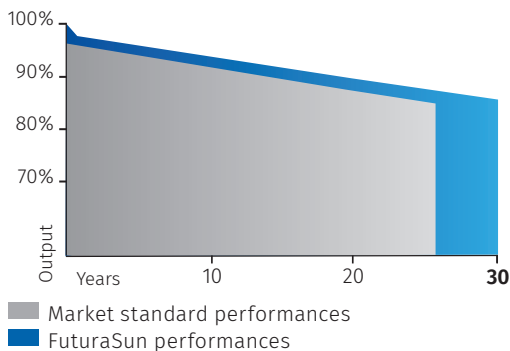


## FU 390/395/400/405/410 MV Silk<sup>®</sup> Plus Duetto Bifacial PERC MBB half-cut cells

Engineered in Italy

### PERFORMANCE GUARANTEE

Max power decrease from 2<sup>nd</sup> year 0.5%/year  
97% at the end of 1<sup>st</sup> year  
90% at the end of 20<sup>th</sup> year  
85 % at the end of 30<sup>th</sup> year



### CERTIFICATIONS

IEC 61215:2016 - IEC 61730:2016  
Fire Resistance - Class C

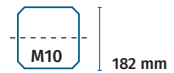


**390 - 410 Wp**

**POWER RANGE**

**-0.36 %/°C**

**TEMPERATURE COEFFICIENT**

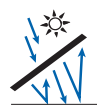


**108 BIFACIAL HALF-CUT MBB CELLS**

### GENERAL FEATURES & KEY BENEFITS



• 30-year performance guarantee & 15-year product warranty



• Black framed glass-glass structure for an elegant design

• Double glass reduces the risk of micro-cracks, snail trails, corrosions caused by moisture, sand and salt mist



• Up to 25 % more energy yield from rear side\*

• Lightweight tempered 2+2 mm glass for optimal mechanical stability and transparency



• 2 independent sections design secures a higher energy yield under shaded conditions

• Half cut design in combination with multi busbar reduces operating current and internal resistance



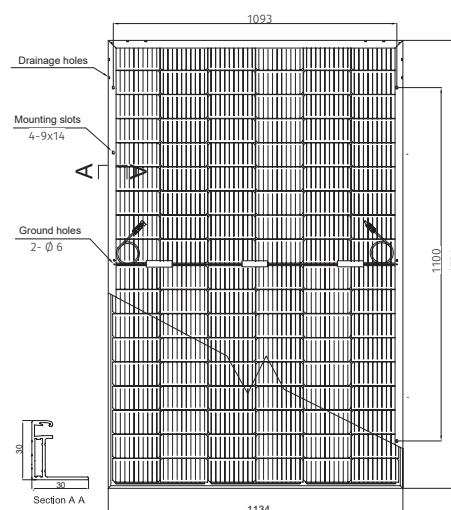
• Long cable as standard suitable for landscape configurations



For detailed information, please refer to the installation manual

**MECHANICAL SPECIFICATIONS**

Dimensions	1722 x 1134 x 30 mm
Weight	25 kg
Glass	Front: 2.0 mm low iron, Tempered with ARC Back: 2.0 mm semi tempered
Cells	108 monocrystalline half-cut bifacial PERC cells 182 x 83 mm
Frame	Black anodized aluminium frame with mounting and drainage holes
Junction boxes	Certified according to IEC 62790, IP 68 approved, 3 bypass diodes
Cables	Solar cable, 1100 or customizable, assembled with MC4-compatible plugs
Maximum reverse current (I <sub>r</sub> )	30 A
Maximum system voltage	1500 V
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 390 MV	FU 395 MV	FU 400 MV	FU 405 MV	FU 410 MV
Module power (P <sub>max</sub> )	W	390	395	400	405	410
Open circuit voltage (V <sub>oc</sub> )	V	36.52	36.67	36.84	37.00	37.13
Short circuit current (I <sub>sc</sub> )	A	13.56	13.65	13.75	13.84	13.95
Maximum power voltage (V <sub>mpp</sub> )	V	30.75	30.89	31.07	31.22	31.34
Maximum power current (I <sub>mpp</sub> )	A	12.68	12.77	12.89	12.99	13.09
Module efficiency	%	19.97	20.23	20.48	20.74	21.00

**BIFACIAL OUTPUT**

		FU 390 MV	FU 395 MV	FU 400 MV	FU 405 MV	FU 410 MV	
5%	Module power (P <sub>max</sub> )	W	409.50	414.75	420	425.25	431
	Module efficiency	%	20.97	21.24	21.51	21.78	22.02
15%	Module power (P <sub>max</sub> )	W	448.50	454.25	460	465.75	472
	Module efficiency	%	22.97	23.26	23.56	23.85	24.12
25%	Module power (P <sub>max</sub> )	W	487.50	493.75	500	506.25	513
	Module efficiency	%	24.96	25.28	25.60	25.93	26.21

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

		FU 390 MV	FU 395 MV	FU 400 MV	FU 405 MV	FU 410 MV
Module power (P <sub>max</sub> )	W	292	296	300	304	308
Open circuit voltage (V <sub>oc</sub> )	V	34.73	34.87	35.00	35.15	35.30
Short circuit current (I <sub>sc</sub> )	A	10.92	11.01	11.10	11.19	11.27
Maximum power voltage (V <sub>mpp</sub> )	V	28.60	28.75	28.91	29.07	29.23
Maximum power current (I <sub>mpp</sub> )	A	10.23	10.31	10.38	10.46	10.54

\*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.

**TEMPERATURE RATINGS**

Temperature coefficient I <sub>sc</sub>	%/°C	0.048
Temperature coefficient V <sub>oc</sub>	%/°C	-0.29
Temperature coefficient P <sub>max</sub>	%/°C	-0.36
NMOT**	°C	42
Operating temperature	°C	-42 ± 3

**PACKAGING INFORMATION**

Quantity / Pallet	36 pcs
Container 40' HQ	864 pcs / 24 pallets

