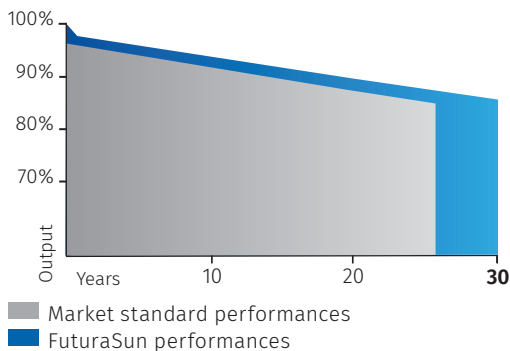


FU 390/395/400/405/410 MV Silk® Plus Duetto

Bifacial PERC MBB half-cut cells

PERFORMANCE GUARANTEE

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



CERTIFICATIONS

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



390 - 410 Wp

POWER RANGE

-0.36 %/°C

TEMPERATURE COEFFICIENT

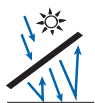


108 BIFACIAL HALF-CUT MBB CELLS

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



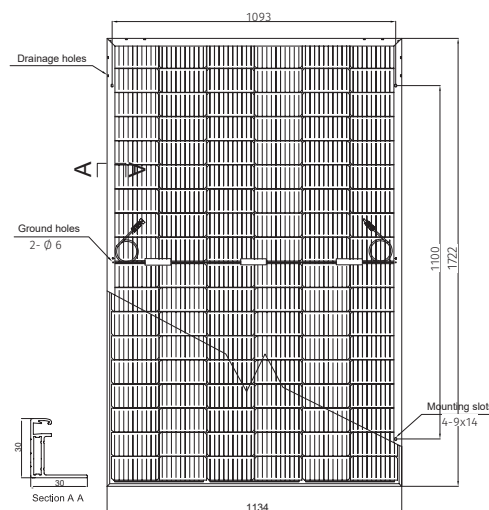
- Long cable as standard suitable for landscape configurations



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 Solar glass with ARC Back: 2.0 mm Solar Glass with white grid
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 customized assembled with 4mm ² compatible connectors
Maximum reverse current (I _r)	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 _{max})	W	390	395	400	405	410
Open circuit voltage (V _{oc})	V	36.52	36.67	36.84	37.00	37.13
Short circuit current (I _{sc})	A	13.56	13.65	13.75	13.84	13.95
Maximum power voltage (V _{mpp})	V	30.75	30.89	31.07	31.22	31.34
Maximum power current (I _{mpp})	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 _{max})	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 _{max})	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 _{max})	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 _{max})	W	292	296	300	304	308
Open circuit voltage (V _{oc})	V	34.73	34.87	35.00	35.15	35.30
Short circuit current (I _{sc})	A	10.92	11.01	11.10	11.19	11.27
Maximum power voltage (V _{mpp})	V	28.60	28.75	28.91	29.07	29.23
Maximum power current (I _{mpp})	A	10.23	10.31	10.38	10.46	10.54

*Standard Test Conditions STC: 1000 W/m² - AM 1.5 - 25 °C - tolerance: P_{max} (±3%), V_{oc} (±4%), I_{sc} (±5%).

**Nominal Module Operating Temperature NMOT: 800 W/m² - T=45°C - AM 1.5.

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

TEMPERATURE RATINGS

Temperature coefficient I _{sc}	%/°C	0.048
Temperature coefficient V _{oc}	%/°C	-0.29
Temperature coefficient P _{max}	%/°C	-0.36
NMOT**	°C	42
Operating temperature	°C	-42 ± 3

PACKAGING INFORMATION

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

