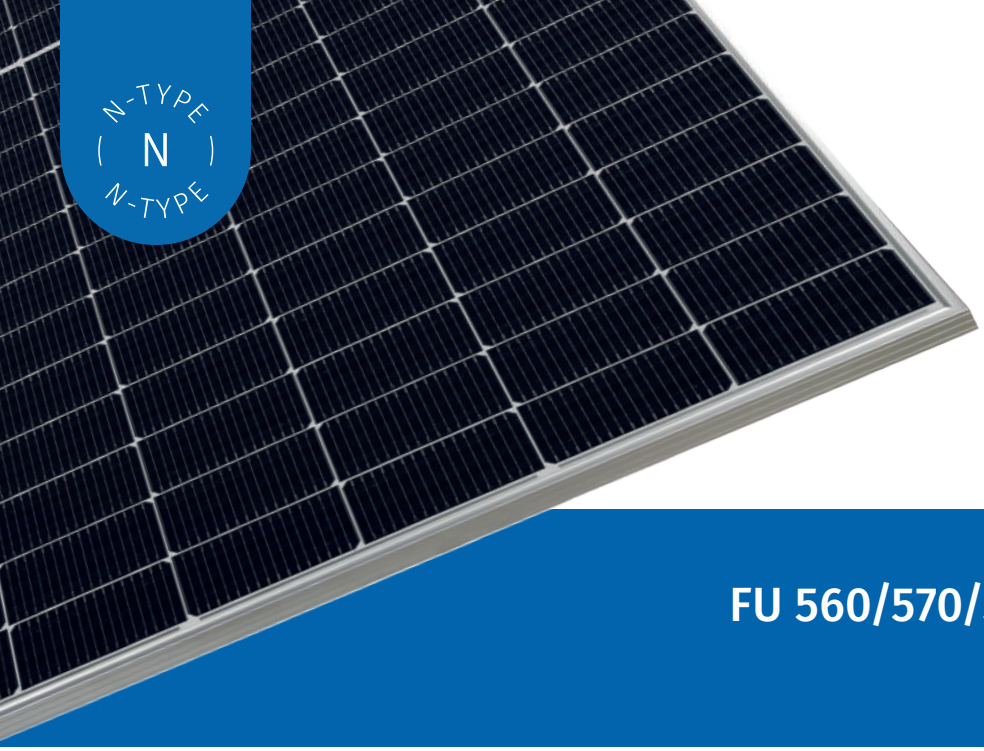


FuturaSun®
anticipate tomorrow

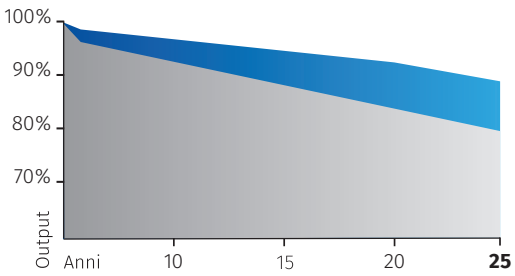
FU 560/570/575/580 MV Silk® Nova

N-type MBB half-cut cells

PERFORMANCE GUARANTEE

Max power decrease from 2nd year 0,4%/year
99% at the end of first year
92% at the end of 20th year
89% at the end of 25th year

25 YEARS PERFORMANCE GUARANTEE



Market standard performances
FuturaSun performances

CERTIFICATIONS

Ongoing IEC 61215 - IEC 61730

560 - 580 Wp
POWER RANGE

-0.29 %/°C
TEMPERATURE COEFFICIENT

M10 182 mm
144 N-TYPE MBB HALF-CUT CELLS

GENERAL FEATURES & KEY BENEFITS

15 YEARS PRODUCT GUARANTEE

- **25-year** performance guarantee & **15-year** product warranty
- Up to **22.4%** module **efficiency** equal to 224 Wp/m²
- **Two independent section** design secures a higher energy yield under shaded conditions
- **Half-cut** design in combination with **multi-busbar** reduces operating current and internal resistance
- Lower risk of **micro-cracks** and **hot-spot**
- **Less shades** and **more reflected light** to the cell thanks to the round ribbon
- **Resistant to LID** (Light Induced Degradation) and **LeTID** (Light and elevated Temperature Induced Degradation)
- **Long cable** as standard suitable for landscape configurations
- **Excellent temperature coefficient** -0,29 %/°C
- **Improved** low light **performance**
- **Increased** light absorption

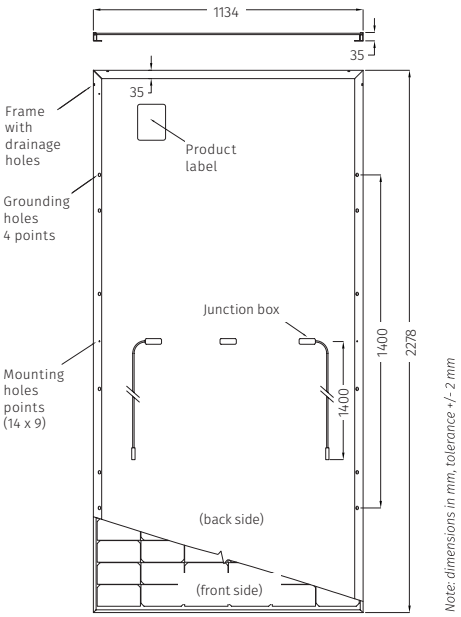
DEKRA Certified

CE

For detailed information, please refer to the installation manual

MECHANICAL SPECIFICATIONS

Dimensions	2278 x 1134 x 35 mm
Weight	28.2 kg
Glass	High transmission, Low iron, Tempered, ARC, Thickness, 3.2 mm
Cells	144 half-cut MBB N-Type cells 182 X 91 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 1400 mm or customized assembled with 4 mm² compatible connectors
Maximum reverse current (Ir)	25 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 560 MV	FU 565 MV	FU 570 MV	FU 575 MV	FU 580 MV
Module power (Pmax)	W	560	565	570	575	580
Open circuit voltage (Voc)	V	50.44	50.58	50.72	50.86	51.00
Short circuit current (Isc)	A	14.16	14.24	14.32	14.4	14.48
Maximum power voltage (Vmpp)	V	41.75	41.90	42.05	42.20	42.35
Maximum power current (Impp)	A	13.42	13.49	13.56	13.63	13.70
Module efficiency	%	21.7	21.8	22	22.2	22.4

ELECTRICAL DATA - NMOT**		FU 560 MV	FU 565 MV	FU 570 MV	FU 575 MV	FU 580 MV
Module power (Pmax)	W	421	425	429	433	436
Open circuit voltage (Voc)	V	47.83	48.05	48.19	48.31	48.45
Short circuit voltage (Isc)	A	11.28	11.50	11.56	11.63	11.69
Maximum power voltage (Vmpp)	V	39.25	39.37	39.5	39.59	39.68
Maximum power current (Impp)	A	10.73	10.80	10.86	10.93	11.00

TEMPERATURE RATINGS

Temperature coefficient Isc	%/°C	0.045
Temperature coefficient Voc	%/°C	-0.25
Temperature coefficient Pmax	%/°C	-0.29
NMOT**	°C	45 ± 2
Operating temperature	°C	from -40 to +85

PACKAGING

Quantity / Pallet	31 pcs
Container 40' HQ	620 pcs / 20 pallets

**Standard Test Conditions STC: 1000 W/m² - AM 1.5 - 25°C - tolerance: Pmax (±3%). Voc (±4%). Isc (±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.

FuturaSun® anticipate tomorrow
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