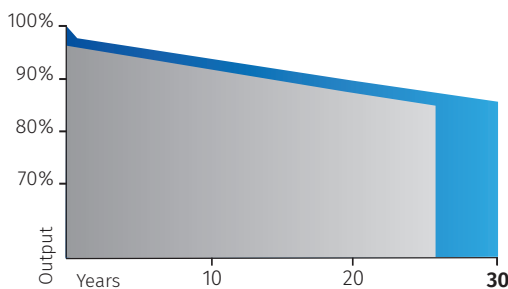




FU 535/540/545/550 MV Silk[®] Plus Duetto Bifacial PERC MBB half-cut cells

PERFORMANCE GUARANTEE

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



■ Market standard performances
■ FuturaSun performances

CERTIFICATIONS

IEC 61215:2016 - IEC 61730:2016

Fire safety class C

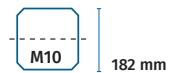


535 - 550 Wp

POWER RANGE

-0.36 %/°C

TEMPERATURE COEFFICIENT



144 BIFACIAL HALF-CUT MBB CELLS

GENERAL FEATURES & KEY BENEFITS



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



• 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 for optimal mechanical stability and transparency



• Module transparency suitable for architectural facades or canopies

• 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

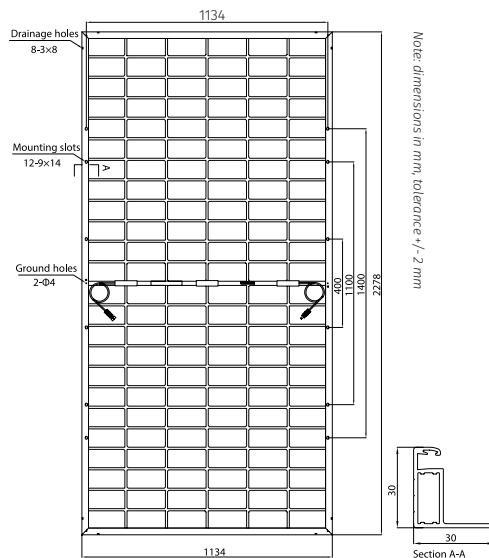
• Long cable as standard suitable for landscape configurations



For detailed information, please refer to the installation manual

MECHANICAL SPECIFICATIONS

Dimensions	2278 x 1134 x 30 mm
Weight	31.5 kg
Glass	Front - 2.0 mm Solar glass with ARC Back - 2.0 mm Solar glass
Cells	144 monocrystalline half-cut bifacial PERC cells 182x91 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, +400mm -300mm, or customized assembled with 4mm ² compatible connectors
Maximum reverse current (Ir)	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



ELECTRICAL DATA - STC*

		FU 535 MV	FU 540 MV	FU 545 MV	FU 550 MV
Module power (Pmax)	W	535	540	545	550
Open circuit voltage (Voc)	V	49.32	49.45	49.62	49.75
Short circuit current (Isc)	A	13.77	13.86	13.93	13.99
Maximum power voltage (Vmpp)	V	41.48	41.62	41.76	41.92
Maximum power current (Imp)	A	12.91	12.99	13.06	13.13
Module efficiency	%	20.71	20.90	21.10	21.29

BIFACIAL OUTPUT

		FU 535 MV	FU 540 MV	FU 545 MV	FU 550 MV	
5%	Module power (Pmax)	W	562	567	572	577
	Module efficiency	%	21.75	21.94	22.14	22.33
15%	Module power (Pmax)	W	615	621	627	632
	Module efficiency	%	23.80	24.04	24.27	24.46
25%	Module power (Pmax)	W	669	675	681	687
	Module efficiency	%	25.89	26.01	26.36	26.59

ELECTRICAL DATA - NMOT**

		FU 535 MV	FU 540 MV	FU 545 MV	FU 550 MV
Module power (Pmax)	W	402	406	409	413
Open circuit voltage (Voc)	V	46.40	46.56	46.68	46.82
Short circuit current (Isc)	A	11.13	11.18	11.23	11.30
Maximum power voltage (Vmpp)	V	38.66	38.75	38.90	39.04
Maximum power current (Imp)	A	10.40	10.48	10.52	10.58

*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.

TEMPERATURE RATINGS

Temperature coefficient Isc	%/°C	0.048
Temperature coefficient Voc	%/°C	-0.29
Temperature coefficient Pmax	%/°C	-0.36
NMOT **	°C	41 ± 3
Operating temperature	°C	from -40 to +85

PACKAGING INFORMATION

Quantity / Pallet	36 pcs
Container 40' HQ	720 pcs / 20 pallets

