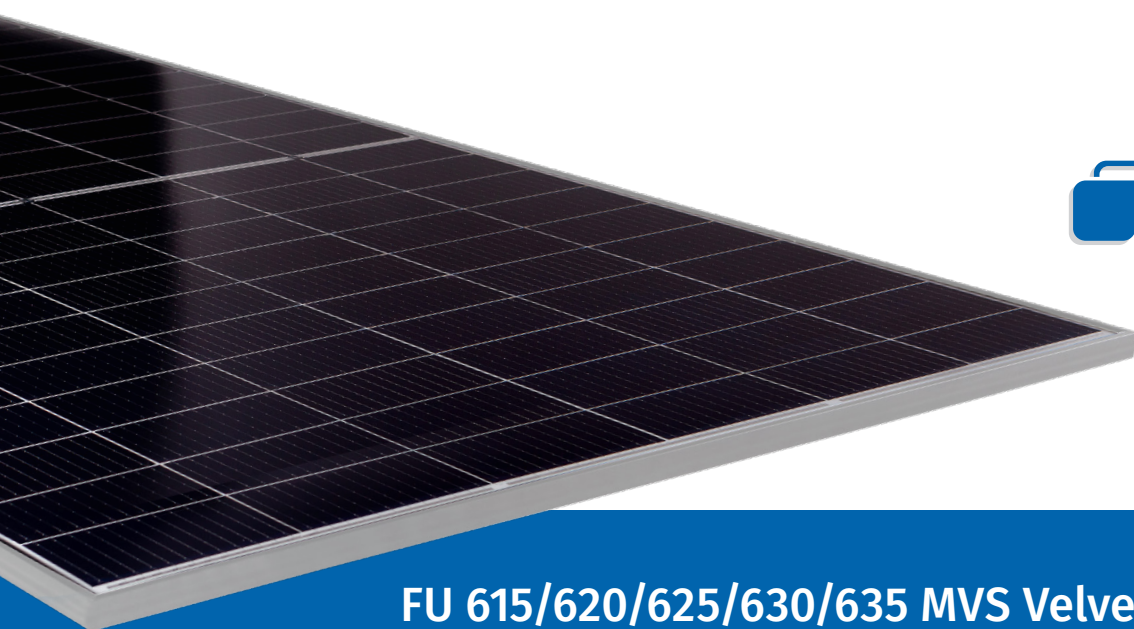




Velvet

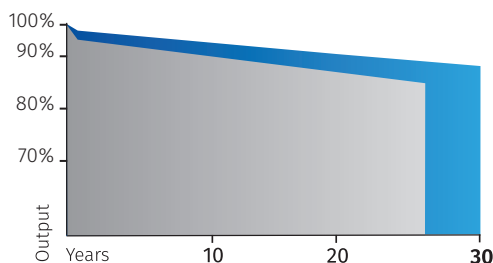
Heterojunction

FU 615/620/625/630/635 MVS Velvet Premium Max

Bifacial Heterojunction half-cut cells

PERFORMANCE GUARANTEE

Max power decrease from 2nd year 0.4%/year
99% at the end of first year
91% at the end of 20th year
88% at the end of 30th year



■ Market standard performances
■ FuturaSun performances

CERTIFICATIONS

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



615 - 635 Wp

**POWER
RANGE**

-0.26 %/°C

**TEMPERATURE
COEFFICIENT**



**120 BIFACIAL
HJT HALF-CUT
MBB CELLS**

GENERAL FEATURES & KEY BENEFITS



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

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



· Superior module efficiency up to 22.4% equal to 224.0 Wp/m²

· Excellent temperature coefficient -0.26 %/°C

· Up to 85% bifaciality factor



· Mechanically strong thanks to the dual glass configuration that moreover reduces the risk of microcracks

· Better colour uniformity, particularly on the rear, thanks to additional TCO layers



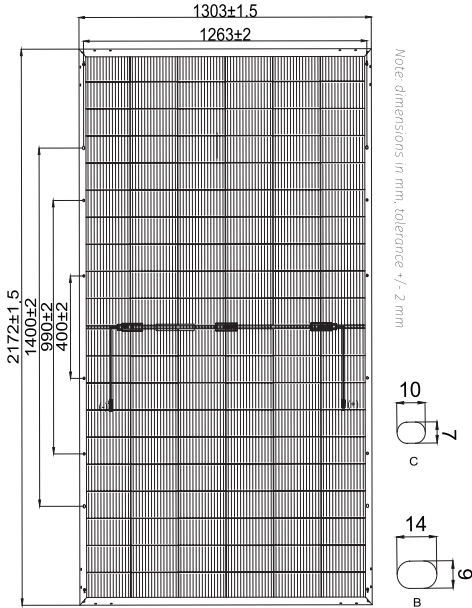
· Resistant to LID (Light Induced Degradation)

· Improved low light performance



MECHANICAL SPECIFICATIONS

Dimensions	2172 x 1303 x 35 mm
Weight	35.3 kg
Glass	Front - 2.0 mm Solar glass with ARC Back - 2.0 mm Solar glass with white grid
Cells	120 half-cut bifacial HJT cells 210 x 105 mm
Bifaciality	80 ± 5 %
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Certified according to IEC 62790, IP67 / IP68 approved, 3 bypass diodes
Cables	Solar cable, length 200 mm or customized assembled with 4 mm² 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 615 MVS	FU 620 MVS	FU 625 MVS	FU 630 MVS	FU 635 MVS
Module power (Pmax)	W	615	620	625	630	635
Open circuit voltage (Voc)	V	44.76	44.96	45.14	45.29	45.47
Short circuit current (Isc)	A	17.18	17.26	17.32	17.36	17.42
Maximum power voltage (Vmpp)	V	37.54	37.70	37.85	38.03	38.21
Maximum power current (Impp)	A	16.39	16.46	16.52	16.58	16.62
Module efficiency	%	21.7	21.9	22.1	22.3	22.4

BIFACIAL STANDARD TEST CONDITIONS - BSTC**

		FU 615 MVS	FU 620 MVS	FU 625 MVS	FU 630 MVS	FU 635 MVS
Module power (Pmax)	W	678	684	689	695	700
Open circuit voltage (Voc)	V	44.78	44.96	45.14	45.31	45.47
Short circuit current (Isc)	A	18.96	19.02	19.09	19.16	19.22
Maximum power voltage (Vmpp)	V	37.50	37.68	37.88	38.02	38.21
Maximum power current (Impp)	A	18.09	18.16	18.19	18.29	18.32

TEMPERATURE RATINGS

Temperature coefficient Isc	%/°C	0.04
Temperature coefficient Voc	%/°C	-0.24
Temperature coefficient Pmax	%/°C	-0.26
NOCT	°C	44 ± 2
Operating temperature	°C	from -40 to +85

PACKAGING INFORMATION

Quantity / Pallet	31 pcs
Container 40' HQ	558 pcs / 18 pallets

*Standard Test Conditions STC: 1000 W/m² - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)
**Bifacial Standard Test Conditions (BSTC) Front side irradiation 1000 Wp / sqm Back side reflection irradiation 135 Wp / sqm Ambient temperature 25 °C.
Notice: All data and specifications are preliminary and subject to change without notice.

