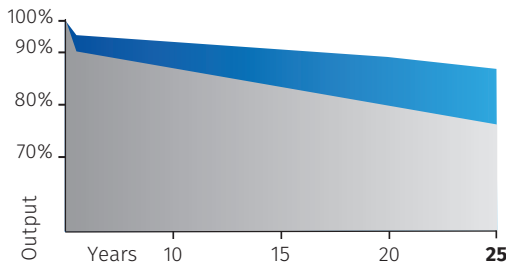


FU 530/535/540/545 M Silk® Plus All Black

PERC MBB half-cut cells

PERFORMANCE GUARANTEE

Max power decrease from 2nd year 0,5%/year
 97% at the end of first year
 90% at the end of 20th year
 87% at the end of 25th year



■ Market standard performances
 ■ FuturaSun performances

CERTIFICATIONS

IEC 61215:2016 - IEC 61730:2016
 & Factory Inspection
 Fire Resistance - Class C

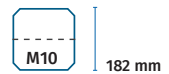


530 - 545 Wp

POWER RANGE

-0.35 %/°C

TEMPERATURE COEFFICIENT



144 HALF-CUT MBB CELLS

GENERAL FEATURES & KEY BENEFITS



- 25-year performance guarantee & 15-year product warranty

- Elegant all black front side design

- Up to 21.28 % module efficiency equal to 212.8 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**

- Lower **LCOE** (Levelized Cost Of Energy), reduced **BOS** (Balance Of System) cost, shorter payback time



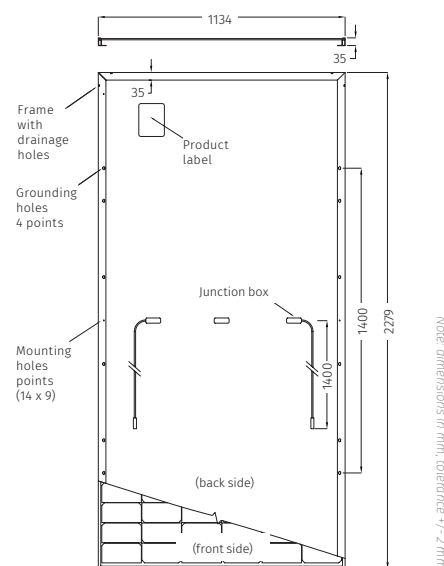
- **Long cable** as standard suitable for landscape configurations



For detailed information, please refer to the installation manual

MECHANICAL SPECIFICATIONS

Dimensions	2279 x 1134 x 35 mm
Weight	28.2 kg
Glass	High transmission, Low iron, Tempered, ARC, Thickness, 3.2 mm
Cells	144 monocrystalline half cut MBB PERC 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 4mm ² compatible connectors
Maximum reverse current (Ir)	25 A
Maximum system voltage	1000 V (1500 V on request)
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 530 M	FU 535 M	FU 540 M	FU 545 M
Module power (Pmax)	W	530	535	540	545
Open circuit voltage (Voc)	V	49.36	49.51	49.66	49.81
Short circuit current (Isc)	A	13.63	13.7	13.77	13.84
Maximum power voltage (Vmpp)	V	41.48	41.64	41.8	41.96
Maximum power current (Impp)	A	12.78	12.85	12.92	12.99
Module efficiency	%	20.51	20.70	20.89	21.09

ELECTRICAL DATA - NMOT**

		FU 530 M	FU 535 M	FU 540 M	FU 545 M
Module power (Pmax)	W	400	404	407	411
Open circuit voltage (Voc)	V	46.28	46.41	46.53	46.65
Short circuit voltage (Isc)	A	10.97	11.01	11.05	11.09
Maximum power voltage (Vmpp)	V	38.65	38.89	39.03	39.26
Maximum power current (Impp)	A	10.35	10.39	10.43	10.47

TEMPERATURE RATINGS

Temperature coefficient Isc	%/°C	0.05
Temperature coefficient Voc	%/°C	-0.27
Temperature coefficient Pmax	%/°C	-0.35
NMOT**	°C	45
Operating temperature	°C	from -40 to +85

PACKAGING INFORMATION

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.

