

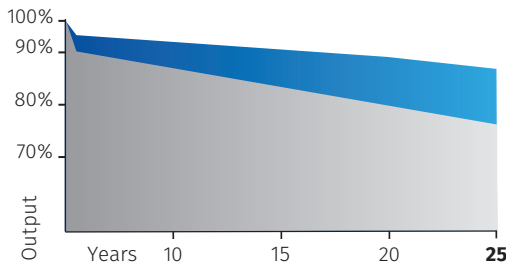


# FU 530/535/540/545/550 M Silk® Plus

## PERC MBB half-cut cells

### PERFORMANCE GUARANTEE

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



■ Market standard performances  
 ■ FuturaSun performances

### CERTIFICATIONS

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

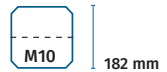


**530 - 550 Wp**

**POWER RANGE**

**-0.35 %/°C**

**TEMPERATURE COEFFICIENT**



**144 HALF-CUT MBB CELLS**

### GENERAL FEATURES & KEY BENEFITS



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

- Up to 21.28 % module efficiency equal to 212.8 Wp/m<sup>2</sup>



- 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

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

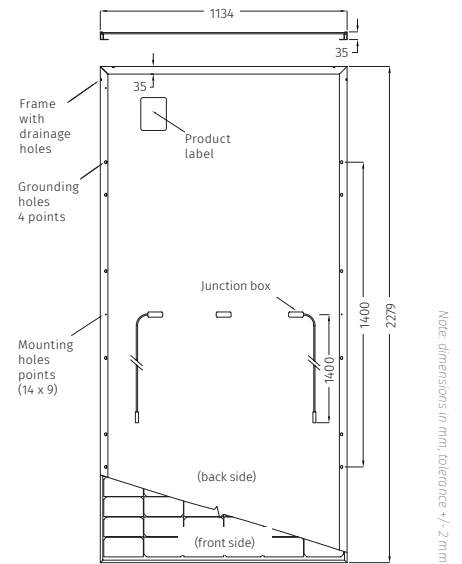


- Long cable as standard suitable for landscape configurations



**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 4mm² compatible connectors |
| Maximum reverse current (Ir) | 25 A  |
| Maximum system voltage       | 1000 V<br>(1500 V on request)   |
| Mechanical load (snow)       | Design load: 3600 Pa<br>5400 Pa (including safety factor 1.5)                       |
| Mechanical load (wind)       | Design load: 1600 Pa<br>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 530 M | FU 535 M | FU 540 M | FU 545 M | FU 550 M |
|------------------------------|---|----------|----------|----------|----------|----------|
| Module power (Pmax)          | W | 530      | 535      | 540      | 545      | 550      |
| Open circuit voltage (Voc)   | V | 49.36    | 49.51    | 49.66    | 49.81    | 49.96    |
| Short circuit current (Isc)  | A | 13.63    | 13.7     | 13.77    | 13.84    | 13.91    |
| Maximum power voltage (Vmpp) | V | 41.48    | 41.64    | 41.8     | 41.96    | 42.12    |
| Maximum power current (Imp)  | A | 12.78    | 12.85    | 12.92    | 12.99    | 13.06    |
| Module efficiency            | % | 20.51    | 20.70    | 20.89    | 21.09    | 21.28    |

**ELECTRICAL DATA - NMOT\*\***

|                              |   | FU 530 M | FU 535 M | FU 540 M | FU 545 M | FU 550 M |
|------------------------------|---|----------|----------|----------|----------|----------|
| Module power (Pmax)          | W | 400      | 404      | 407      | 411      | 415      |
| Open circuit voltage (Voc)   | V | 46.28    | 46.41    | 46.53    | 46.65    | 46.78    |
| Short circuit current (Isc)  | A | 10.97    | 11.01    | 11.05    | 11.09    | 11.13    |
| Maximum power voltage (Vmpp) | V | 38.65    | 38.89    | 39.03    | 39.26    | 39.49    |
| Maximum power current (Imp)  | A | 10.35    | 10.39    | 10.43    | 10.47    | 10.51    |

**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.

