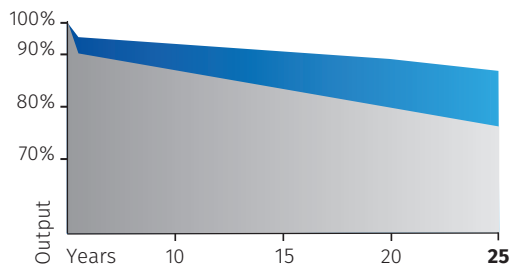


## FU 400/405 M Silk<sup>®</sup> Plus All Black Carbon Neutral PERC MBB half-cut cells

### 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

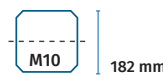


**400 - 405 Wp**

**POWER  
RANGE**

**-0.35 %/°C**

**TEMPERATURE  
COEFFICIENT**



**108 HALF-CUT  
MBB CELLS**

### GENERAL FEATURES & KEY BENEFITS



- 25-year performance guarantee & 15-year product warranty
- Elegant all black front side design



- Carbon footprint was measured through an LCA study according to ISO 14025

- The remaining emissions were offset thanks to a safe water project certified by Gold Standard



- Up to 20.74 % module efficiency equal to 207.4 Wp/m<sup>2</sup>

- 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



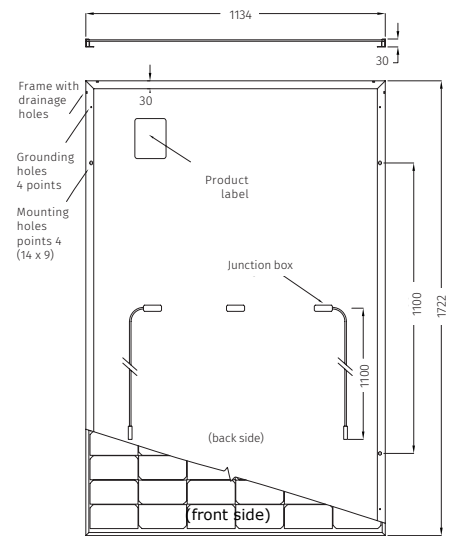
- Long cable as standard suitable for landscape configurations



For detailed information,  
please refer to the installation manual

**MECHANICAL SPECIFICATIONS**

|   |   |
|---|---|
| Dimensions                                | 1722 x 1134 x 30 mm   |
| Weight                                    | 20.8 kg   |
| Glass                                     | High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm                                    |
| Cells                                     | 108 monocrystalline half cut MBB PERC cells 182 x 91 mm   |
| Frame                                     | Black 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 1100 mm or customized assembled with 4mm <sup>2</sup> compatible connectors |
| Maximum reverse current (I <sub>r</sub> ) | 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\***

|   |   | <b>FU 400 M</b> | <b>FU 405 M</b> |
|---|---|-----------------|-----------------|
| Module power (P <sub>max</sub> )          | W | 400             | 405             |
| Open circuit voltage (V <sub>oc</sub> )   | V | 37.13           | 37.24           |
| Short circuit current (I <sub>sc</sub> )  | A | 13.75           | 13.82           |
| Maximum power voltage (V <sub>mpp</sub> ) | V | 31.01           | 31.18           |
| Maximum power current (I <sub>mpp</sub> ) | A | 12.90           | 12.99           |
| Module efficiency                         | % | 20.48           | 20.74           |

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

|   |   | <b>FU 400 M</b> | <b>FU 405 M</b> |
|---|---|-----------------|-----------------|
| Module power (P <sub>max</sub> )          | W | 300             | 304             |
| Open circuit voltage (V <sub>oc</sub> )   | V | 34.96           | 35.11           |
| Short circuit current (I <sub>sc</sub> )  | A | 10.94           | 11.03           |
| Maximum power voltage (V <sub>mpp</sub> ) | V | 29.19           | 29.36           |
| Maximum power current (I <sub>mpp</sub> ) | A | 10.28           | 10.36           |

**TEMPERATURE RATINGS**

|  |      |                 |
|--|------|-----------------|
| Temperature coefficient I <sub>sc</sub>  | %/°C | 0.05            |
| Temperature coefficient V <sub>oc</sub>  | %/°C | -0.27           |
| Temperature coefficient P <sub>max</sub> | %/°C | -0.35           |
| NMOT**                                   | °C   | 45              |
| Operating temperature                    | °C   | from -40 to +85 |

**PACKAGING INFORMATION**

|                   |                      |
|-------------------|----------------------|
| Quantity / Pallet | 36 pcs               |
| Container 40' HQ  | 936 pcs / 26 pallets |

\*Standard Test Conditions STC: 1000 W/m<sup>2</sup> - AM 1.5 - 25 °C - tolerance: P<sub>max</sub> (±3%), V<sub>oc</sub> (±4%), I<sub>sc</sub> (±5%)

\*\*Nominal Module Operating Temperature NMOT: 800 W/m<sup>2</sup> - T=45 °C - AM 1.5

Notice: All data and specifications are preliminary and subject to change without notice.

