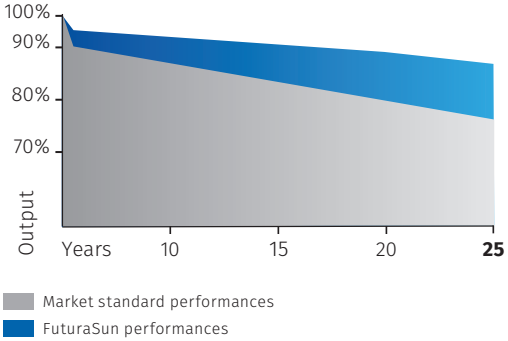
FuturaSun®
anticipate tomorrow

FU 390/395/400/405/410 M Silk® Premium

PERC MBB third-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



390 - 410 Wp
POWER RANGE

-0.35 %/°C
TEMPERATURE COEFFICIENT

G12 — 210 mm
120 THIRD-CUT MBB CELLS

GENERAL FEATURES & KEY BENEFITS

- **25-year** performance guarantee & **15-year** product warranty
- **Up to 21.29 %** module **efficiency** equal to 212.9 Wp/m²
- **Two independent section** design secures a higher energy yield under shaded conditions
- **Third-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**
- **Excellent versatility** for different system applications
- **Long cable** as standard suitable for landscape configurations

CERTIFICATIONS

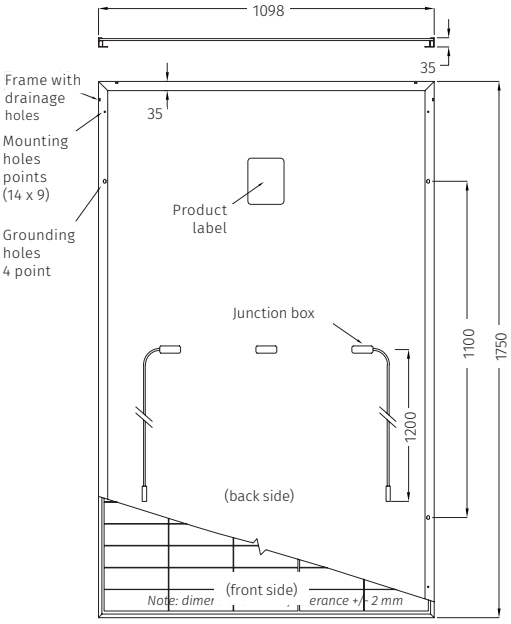
IEC 61215:2016 - IEC 61730:2016
& Factory Inspection
Fire Resistance - Class C

MCS CERTIFIED · DEKRA · PV CYCLE · CE

For detailed information, please refer to the installation manual

MECHANICAL SPECIFICATIONS

Dimensions	1754 x 1098 x 30 mm
Weight	21 kg
Glass	High transmission, low iron, tempered, ARC, thickness, 3.2 mm
Cells	120 monocrystalline third cut MBB PERC cells 210 x 70 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 1200 mm or customized assembled with 4 mm² compatible connectors
Maximum reverse current (Ir)	20 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



Note: dimensions in mm, tolerance +/- 2 mm

ELECTRICAL DATA - STC*		FU 390 M	FU 395 M	FU 400 M	FU 405 M	FU 410 M
Module power (Pmax)	W	390	395	400	405	410
Open circuit voltage (Voc)	V	40.70	40.90	41.10	41.30	41.50
Short circuit current (Isc)	A	12.18	12.25	12.32	12.39	12.46
Maximum power voltage (Vmpp)	V	33.70	33.90	34.10	34.30	34.50
Maximum power current (Impp)	A	11.58	11.66	11.74	11.81	11.89
Module efficiency	%	20.25	20.51	20.77	21.03	21.29

ELECTRICAL DATA - NMOT**		FU 390 M	FU 395 M	FU 400 M	FU 405 M	FU 410 M
Module power (Pmax)	W	295	299	303	307	311
Open circuit voltage (Voc)	V	38.50	38.70	38.90	39.10	39.3
Short circuit voltage (Isc)	A	9.74	9.80	9.86	9.92	9.98
Maximum power voltage (Vmpp)	V	31.90	32.10	32.30	32.60	32.8
Maximum power current (Impp)	A	9.25	9.32	9.38	9.42	9.49

TEMPERATURE RATINGS

Temperature coefficient Isc	%/°C	0.05
Temperature coefficient Voc	%/°C	-0.26
Temperature coefficient Pmax	%/°C	-0.35
NMOT**	°C	43
Operating temperature	°C	from -40 to +85

PACKAGING INFORMATION

Quantity / Pallet	36 Pcs
Continer 40' HQ	936 Modules / 26 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.

FuturaSun® anticipate tomorrow
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