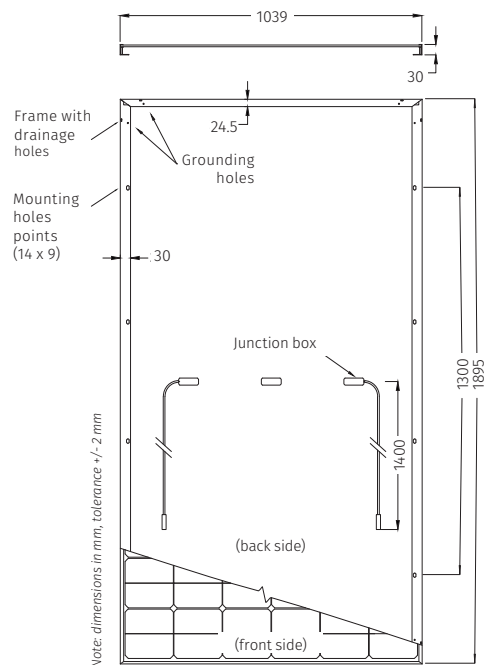


MECHANICAL SPECIFICATIONS

Dimensions	1895 x 1039 x 30 mm
Weight	21.0 kg
Glass	High transmission, Low iron, Tempered, ARC, Thickness, 3.2 mm
Cells	132 N-Type half-cut IBC cells 166 x 83 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 1400 mm or customized assembled with MC4-original plugs
Maximum reverse current (I _r)	20 A
Maximum system voltage	1500 V (1000 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 415 M	FU 420 M	FU 425 M
Module power (P _{max})	W	415	420	425
Open circuit voltage (V _{oc})	V	45.85	45.91	46.01
Short circuit current (I _{sc})	A	11.57	11.66	11.76
Maximum power voltage (V _{mpp})	V	38.57	38.74	38.97
Maximum power current (I _{mp})	A	10.78	10.85	10.91
Module efficiency	%	21.1	21.3	21.6

ELECTRICAL DATA - NMOT**

		FU 415 M	FU 420 M	FU 425 M
Module power (P _{max})	W	312	316	320
Open circuit voltage (V _{oc})	V	43.90	44.00	44.1
Short circuit current (I _{sc})	A	9.33	9.41	9.49
Maximum power voltage (V _{mpp})	V	36.00	36.2	36.40
Maximum power current (I _{mp})	A	8.67	8.73	8.80

TEMPERATURE RATINGS

Temperature coefficient I _{sc}	%/°C	0.046
Temperature coefficient V _{oc}	%/°C	-0.246
Temperature coefficient P _{max}	%/°C	-0.290
NMOT**	°C	42 ± 2
Operating temperature	°C	from -40 to +85

PACKAGING INFORMATION

Quantity / Pallet	36 pcs
Container 40' HQ	900 pcs / 25 pallets

*Standard Test Conditions STC: 1000 W/m² - AM 1.5 - 25 °C - tolerance: P_{max} (±3%), V_{oc} (±4%), I_{sc} (±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

