

Electrical specifications – typical

Capacity rating (+- 3%)	255Wp	260Wp	265Wp	270Wp	275Wp	280Wp	285Wp	290Wp	295Wp	300Wp
Module efficiency %	15,2	15,5	15,8	16,0	16,2	16,6	16,9	17,2	17,5	17,8
Rated voltage Umpp [V]	51,6	52,0	52,4	52,7	53,0	53,3	53,6	54,2	54,8	55,0
Rated current Impp [A]	4,98	5,04	5,10	5,13	5,17	5,28	5,34	5,38	5,40	5,46
Open circuit voltage Uoc [V]	60,5	60,7	61,2	61,4	61,5	61,8	62,0	62,6	63,1	63,2
Short circuit current Isc [A]	5,4	5,5	5,5	5,6	5,6	5,7	5,8	5,8	5,9	5,9

Temperature coefficient

Tk of open circuit voltage	-0.29%/K
Tk of short circuit current	0.03%/K
Tk of power	-0.38%/K

Mechanical specification

Dimensions (HxWxD)	1580 x 1070 x 42 mm
Weight	23,5 kg (+/- 1kg)
Junction Box	SOLON ED II with 4 bypass diodes
Cable	Solar cable 1100 mm, 4mm ² , pre confectioned with MC 4 plug
Front glass	ESG white glass 4 mm
Solar cells	96 mono crystalline back contact Si 5" (125x125 mm)
Cell encapsulation	EVA
Back site	White tedlar foil
Frame	Anodised aluminium frame with twin-wall profile and drainage holes

Operating conditions

Temperature range	-40°C to +85°C
Maximum system voltage	1000 V
Maximum surface load capacity	Tested up to 5,400 Pa according to IEC 61215 (advanced test)
Resistance against hail	Maximum diameter of 28 mm with impact speed of 86 km / h

Guarantees and certifications

Product warranty	2 years
Performance guarantee	Guaranteed capacity of 90% for 10 years and 80% for 25 years
Approvals and certificates	TÜV certified according to IEC 61215 II and IEC 61730

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