

Mechanical characteristics and appearance

Dimensions LxWxH*	[mm]	1460x435x21 (±1)	Frame	Aluminium
Thickness	[mm]	7.5 (±1)	Cell type	Crystalline Silicon
Weight	[kg]	12 (±0.5)	Junction box	Ingress Protection IP67
Weight per square meter	[kg/m ²]	24(±0.5)	Connectors	MC4 compatible
Front cover	Ultra white tempered glass		Shape	Flat
Back cover	Ultra white tempered glass		Colour	Black

*Height refers to the height of the border of the product

Electrical performances parameters

Standard test conditions (1000 W/m ² , 25°C, AM 1.5)			P0201080	P0201085	P0201090	P0201095	P0201100
Nominal power (+1/-0 W)	P _{MPP}	[W]	80	85	90	95	100
Power per square meter	P _{SQM}	[W/m ²]	160	170	180	190	200
Short-circuit current	I _{SC}	[A]	3.42	3.60	3.78	3.96	4.14
Open-circuit voltage	V _{OC}	[V]	30.92	30.97	31.01	31.06	31.1
Current at P _{MPP}	I _{MPP}	[A]	3.1	3.27	3.43	3.59	3.75
Voltage at P _{MPP}	V _{MPP}	[V]	25.82	26.00	26.25	26.46	26.68

Maximum rated parameters				Quality and certifications	
Maximum system voltage	V _{MAX}	[V]	DC1000 (IEC)	IEC 61646	
Maximum fuse rated current	I _{MAX}	[A]	20	IEC 61730	
Maximum frontal static load	P _a	[Pa]	5400	UL 790	
Operating temperature range	T _{op}	[°C]	-40 ~ +85	ISO 9001	
Hail resistance performance – maximum hail diameter	d _{max}	[mm]	25		
Hail resistance performance – maximum impact speed		[m/s]	23		
Fire resistance grade			A		
Application level			A		

Normal module operating conditions			Temperature Coefficients		
NMOT	[°C]	52.7	NOCT	[°C]	45
Irradiation	[W/m ²]	800	I _{sc} α	[%/°C]	0.04
Wind speed	[m/s]	1.0	U _{oc} β	[%/°C]	-0.27
			P _{MPP} γ	[%/°C]	-0.34



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