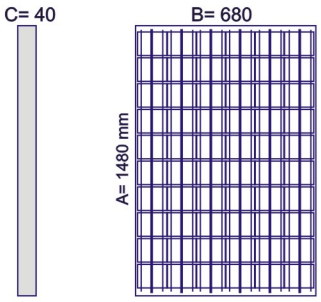
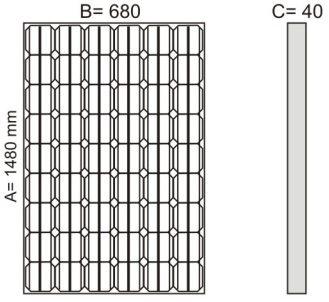
TSPP 150 Watt TSPM

SPECIFICATIONS





Front Glass	AR coated 3.2 mm Low iron tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP 65, with bypass diodes
Connector	MC4 compatible
Output Cables	TUV + length 900mm, 4mm^2
Weight	14 kg

100 % EL tested

Poly crystalline (± 3 %) — **Cell Type** — **Mono crystalline** (+ 3 %)

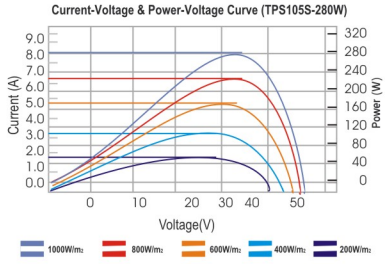
PERFORMANCE AT STANDARD TEST CONDITIONS (STC: 1000 W/m^2, 25°C, AM 1.5)

TSPP 150 W		TSPM 150 W
12	Maximum Power at STC (Pmax)	12
8.39A	Nominal Voltage	8.35A
22.6V	Short Circuit Current (ISC)	23.5V
7.8A	Open Circuit Voltage (Voc)	7.7A
18.1V	Maximum Power Current (Impp)	19.6V
> 17 %	Maximum Power Voltage (Vmpp)	> 17.5 %
>15 %	Encapsulated Cell Efficiency	>15.5 %
+/- 3 %	Module Efficiency	+/- 3 %
	Power Tolerance	

PERFORMANCE AT NORMAL OPERATING CELL TEMPERATURE (NOCT: 800W/m^2,47±3°C,AM 1.5)

130W	Maximum Power (Pmax) Watt	110W
7.0A	Short Circuit Current (ISC) Amp	7.25A
20.5V	Open Circuit Voltage (Voc) Volts	20.75V
6.35A	Max Power Current (Impp) Amp	6.60A
16.1V	Max Power Voltage (Vmpp) Volts	16.6V
	Weight	

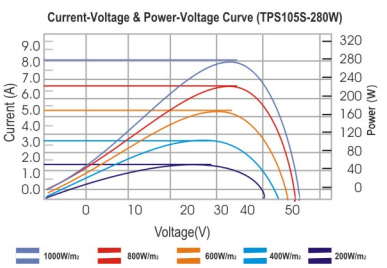
The typical relative change in module efficiency at an irradiance of 200W/m in relation to 1000W/M (both at 25 C° and AM 1.5 spectrum) is less than 6%



TEMPERATURE CHARACTERISTICS	
Nominal Operating Cell Temperature (NOCT)	47±3 C
Temperature Coefficient of Pmax (y)	-0.47%/K
Temperature Coefficient of Voc (B)	-0.36%/K
Temperature Coefficient of Isc (G)	0.05%/K

Specs subject to change without notice

SYSTEM INTEGRATION PARAMETERS	
Maximum system voltage	DC 1000V
Maximum Series Fuse	16A
Maximum reverse current	21.5A
Increased snowload acc. To IEC 61215	5400Pa/m
Operating Temparature	-40+85 C
Number of bypass diodes	6



Conformance : IEC 61215 , 61730

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