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EnergyPal

Solar Panel Guide Specification Data Sheet

**Tesla PV
TSPM250
TSPM250**

Also available on the web at
EnergyPal.com/tesla-pv-solar-panels/tspm250

TSPP

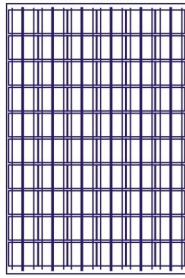
250 Watt

TSPM

C= 40

B= 1000

A= 1650 mm



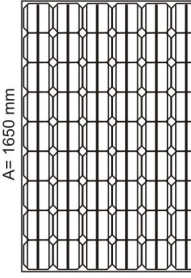
SPECIFICATIONS



B= 1000

C= 40

A= 1650 mm



Front Glass

Frame

Junction Box

Connector

Output Cables

Weight

AR coated 3.2 mm Low iron tempered glass

Anodized aluminum alloy

IP 65, with bypass diodes

MC4 compatible

TUV + length 900mm, 4mm²

18.5 kg

100 % EL tested

Poly crystalline (+ 3 %)

Cell Type

Mono crystalline (+ 3 %)

PERFORMANCE AT STANDARD TEST CONDITIONS (STC: 1000 W/m², 25°C, AM 1.5)

TSPP 250 W

24
8.69A
37.10V
8.1A
30.10V
> 17 %
> 15 %

Maximum Power at STC (Pmax)

Nominal Voltage

Short Circuit Current (ISC)

Open Circuit Voltage (Voc)

Maximum Power Current (Imp)

Maximum Power Voltage (Vmpp)

Encapsulated Cell Efficiency

Module Efficiency

TSPM 250 W

24
8.67A
30.30V
7.9A
31.65V
> 17.5 %
> 15.5 %

PERFORMANCE AT NORMAL OPERATING CELL TEMPERATURE (NOCT: 800W/m², 47±3°C, AM 1.5)

179W

7.33A
34.41V
6.35A
26.7 V

Maximum Power (Pmax) Watt

Short Circuit Current (ISC) Amp

Open Circuit Voltage (Voc) Volts

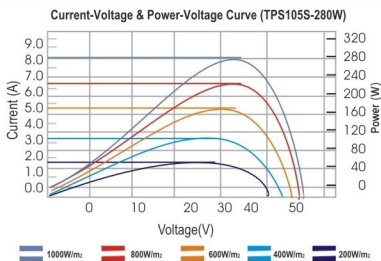
Max Power Current (Imp) Amp

Max Power Voltage (Vmpp) Volts

183W

7.39A
34.60V
6.78A
27.00V

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%



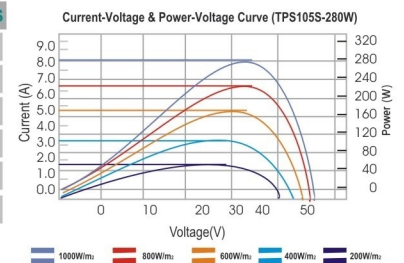
TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	47±3 C
Temperature Coefficient of Pmax (γ)	-0.47%/K
Temperature Coefficient of Voc (β)	-0.36%/K
Temperature Coefficient of Isc (α)	0.05%/K

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 Temperature	-40+85 C
Number of bypass diodes	6

Specs subject to change without notice



Conformance : IEC 61215 , 61730

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