

Polycrystalline photovoltaic panel WT 72P-SM_300W



WATTROM
BE FOTOVOLTAIC

WT 72P-SM_300W

is a robust solar panel,
with 72 solar cells.
The module can be used
for on/off-grid solar applications.

METICULOUS DESIGN

and the newest production technology
ensure a high-yield and long-term
performance for every module produced.

QUALITY CONTROL

rigorous realised along whole
technological flow guarantees
that Wattrom solar panels ensure
the highest quality standards possible.

QUALITY CERTIFICATE

ISO 9001:2008

ISO 14001:2004



Model WT 72P-SM_300W



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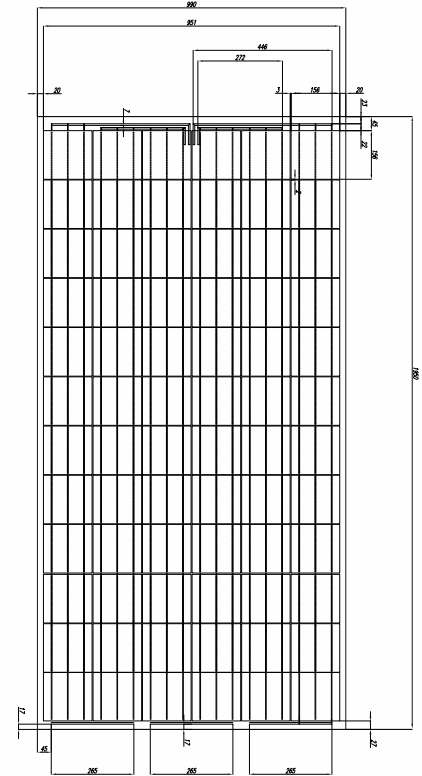
Electrical Characteristics

Rated Power at STC (P_{max})	Maximum Power Voltage (V_{mp})	Maximum Power Current (I_{mp})	Open Circuit Voltage (V_{oc})	Short Circuit Current (I_{sc})	Encapsulated Cell Efficiency (η_c %)	Module Efficiency (%)	Power Tolerance
304.99W	37.94V	8.389A	45.576V	8.923A	18.2%	16.5%	0 - +5W

Standard Test Conditions: AM=1.5, Irradiance 1000 W/m², Module temperature 25°C

Mechanical Characteristics

Solar Cells	Polycrystalline 156mm x 156mm (6 inches)
In series cells	72 pcs
External dimensions	1958mm x 998mm x 38mm
Weight	24.6kg
Protective Glass	4.0mm, tempered glass, low iron, prismatic design
Frame	Anodized aluminium alloy
Jonction Box	Tyco Solarlok Z - Rail, Slim: 115mm x110mm x23mm
Ingress Protection	IP65
Output Cables	4.0mm ² , symetrical lengths for the connector (+) and (-), 1000mm
Connector	MC4 Compatible size 70 mm
Maximum wind load	200km/h
Maximum snow load	550kg/m ²
Hailstone impact test	80km/h for 25mm ice ball
Product warranty	10 years
Power warranty	over 90% in the first 12 years; over 80% till 25 years



Temperature Characteristics

NOCT (Nominal Operating Cell Temperature)	Current Temperature Coefficient (%k)	Voltage Temperature Coefficient (%k)	Power Temperature Coefficient (%k)
45 +/- 2°C	0.0473	-0.3166	-0.397

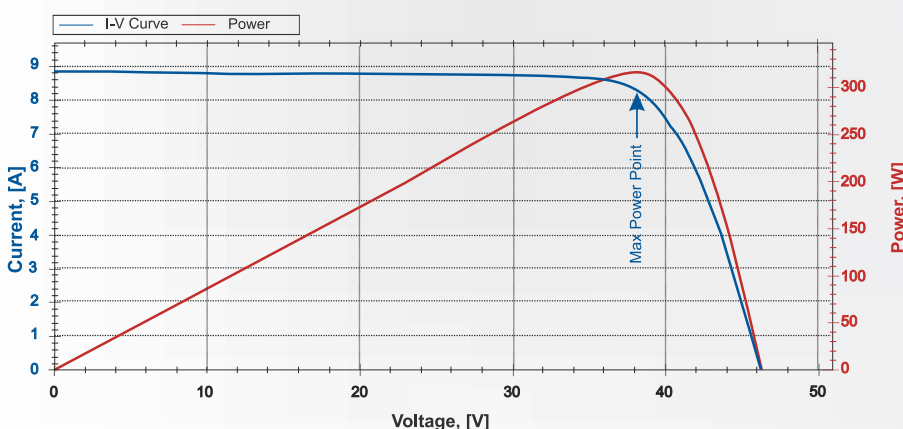
Operating Parameters

Operating Temperature	from -40 to 85°C
Deposit Temperature	from -40 to 85°C
Maximum System Voltage	1000VDC(IEC)
Maximum Series Fuse Rating	20A

Weak light performance

Intensity (W/m ²)	1000	900	500	300	200
V _{mp}	1.000	0.997	0.976	0.954	0.934
I _{mp}	1.000	0.900	0.498	0.295	0.197

I-V MEASUREMENT



Packing Configuration

Modules/Pallet	26 pcs
Maximum Pallets/ Container (40` GP)	28 pcs
Maximum Modules/ Container (40` GP)	728 pcs

* Pallet dimensions: 1000 x 2000mm
* Pallet height: 1200mm
* Pallet weight: 655kg