

Polycrystalline photovoltaic panel WT 250P17



WATTROM
BE FOTOVOLTAIC

WT 250P17

is a robust solar panel, with 60 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 TUV InterCert Saar



Model WT 250P17



WATTROM
BE FOTOVOLTAIC

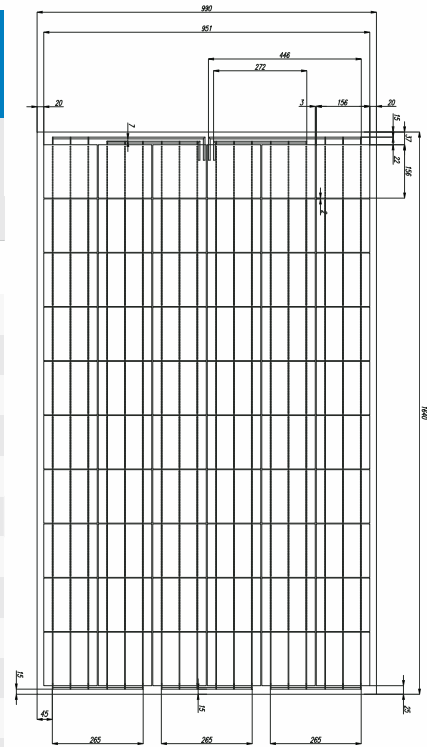
Electrical Characteristics

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 (%)
254.99W	31.62V	8.37A	37.98V	8.903A	18.1%	16.4 %	1.6%

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	60 pcs
External dimensions	1657mm x 998mm x 38mm
Weight	18.1kg
Protective Glass	3.2mm, tempered glass, low iron, prismatic design
Frame	Anodized aluminium alloy
Junction Box	Tyco Solarlok Z - Rail, Slim: 115mm x110mm x23mm
Ingress Protection	IP65
Output Cables	4.0mm ² , symmetrical lengths, 1000mm
Connector	MC4 Compatible
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

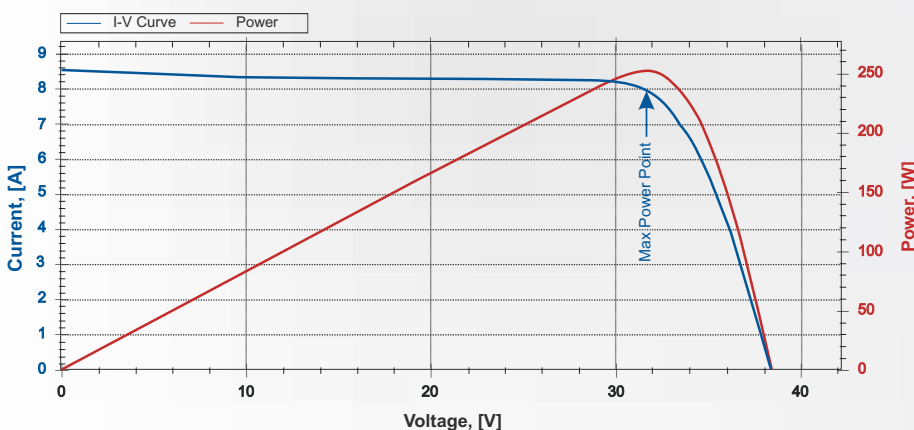
Operating Parameters

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_{mpp}	1.000	0.997	0.976	0.954	0.934
I_{mpp}	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 1700mm
* Pallet height: 1200mm
* Pallet weight: 485kg