



WATTROM
BE FOTOVOLTAIC

Monocrystalline photovoltaic panel WT 250M17



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WT 250M17

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 250M17

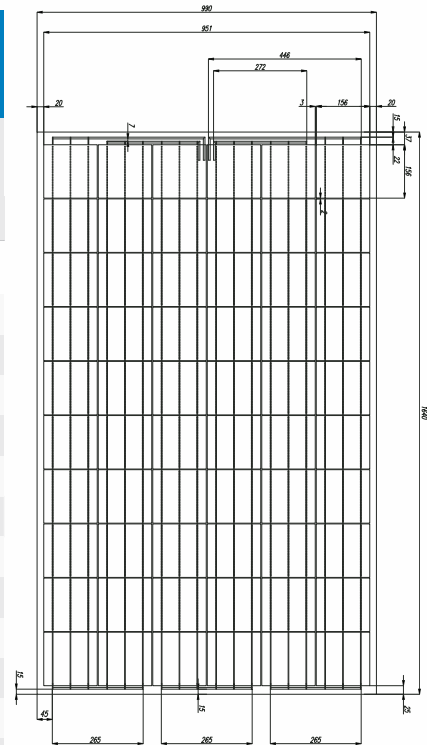


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Electrical Characteristics

| 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 (%) |
|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|------------------------------------|--|-----------------------|---------------------|
| 254.99W | 31.8V | 8.32A | 38.16V | 9.06A | 18.28% | 16.45 % | +0...5W |

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



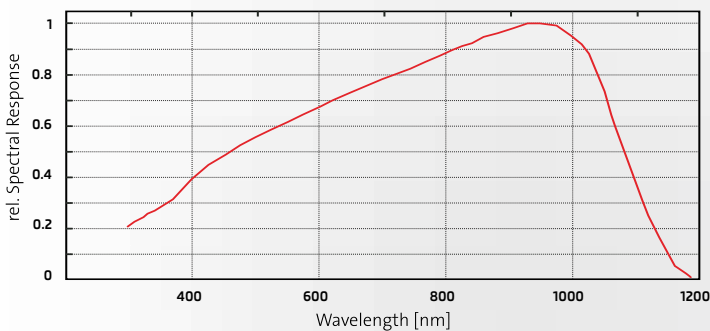
Mechanical Characteristics

| | |
|-----------------------|--|
| Solar Cells | Monocrystalline 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 |

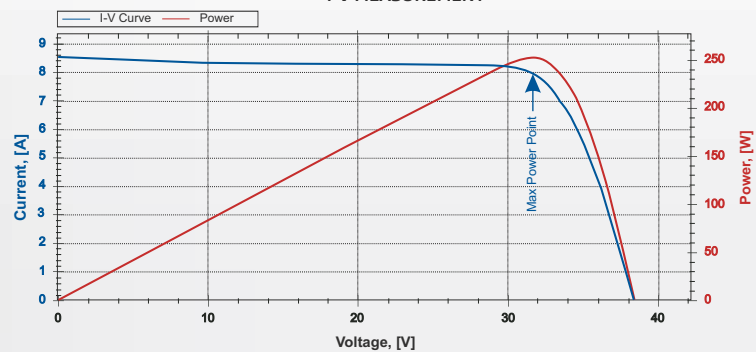
Temperature Characteristics

| NOCT (Nominal Operating Cell Temperature) | Current Temperature Coefficient (%/K) | Voltage Temperature Coefficient (%/K) | Power Temperature Coefficient (%/K) |
|---|---------------------------------------|---------------------------------------|-------------------------------------|
| 45 +/- 2°C | 0.05 | -0.34 | -0.43 |

SPECTRAL RESPONSE



I-V MEASUREMENT



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 |

Packing Configuration

| | |
|-------------------------------------|---------|
| Modules/Pallet | 25 pcs |
| Maximum Pallets / Container (40`GP) | 25 pcs |
| Maximum Modules / Container (40`GP) | 625 pcs |

* Pallet dimensions: 1000 x 1700mm
* Pallet height: 1200mm
* Pallet weight: 485kg

Monocrystalline photovoltaic panel WT 255M17



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WT 255M17

is a robust solar panel, with 60 solar cells. The module can be used for on/off-grid solar applications.

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Model WT 255M17

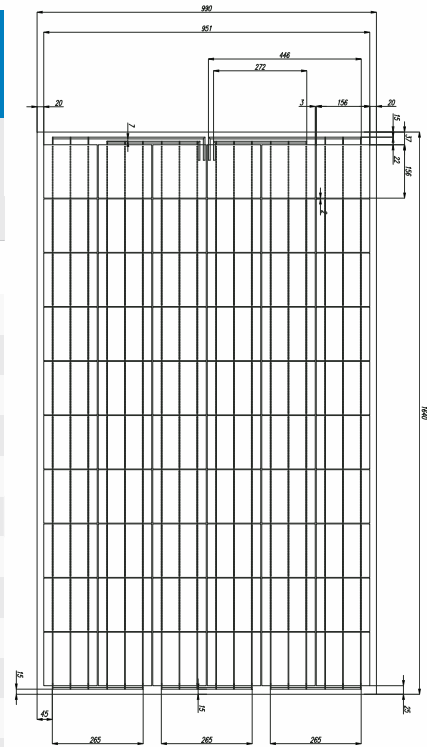


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Electrical Characteristics

| 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 (%) |
|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|------------------------------------|--|-----------------------|---------------------|
| 259.99W | 32.04V | 8.46A | 38.28V | 9.09A | 18.69% | 16.45 % | +0...5W |

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



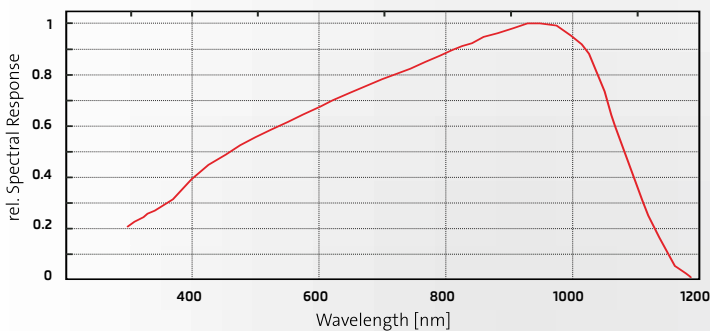
Mechanical Characteristics

| | |
|-----------------------|--|
| Solar Cells | Monocrystalline 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 |

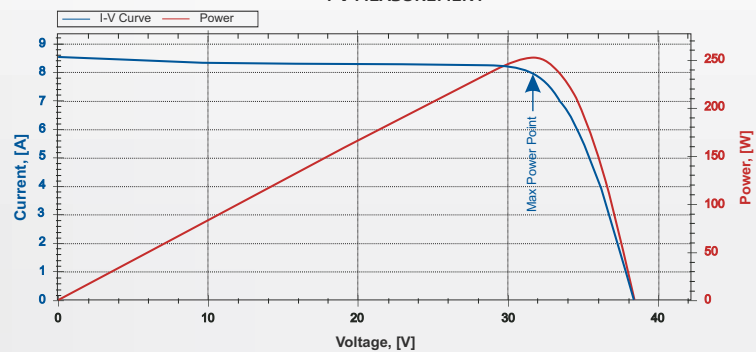
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|---|---------------------------------------|---------------------------------------|-------------------------------------|
| 45 +/- 2°C | 0.05 | -0.34 | -0.43 |

SPECTRAL RESPONSE



I-V MEASUREMENT



Operating Parameters

| | |
|----------------------------|------------------|
| Operating Temperature | from -40 to 85°C |
| Deposit Temperature | from -40 to 85°C |
| Maximum System Voltage | 1000VDC(IEC) |
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Packing Configuration

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| Modules/Pallet | 25 pcs |
| Maximum Pallets / Container (40`GP) | 25 pcs |
| Maximum Modules / Container (40`GP) | 625 pcs |

* Pallet dimensions: 1000 x 1700mm
* Pallet height: 1200mm
* Pallet weight: 485kg

Monocrystalline photovoltaic panel WT 260M17



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Model WT 260M17

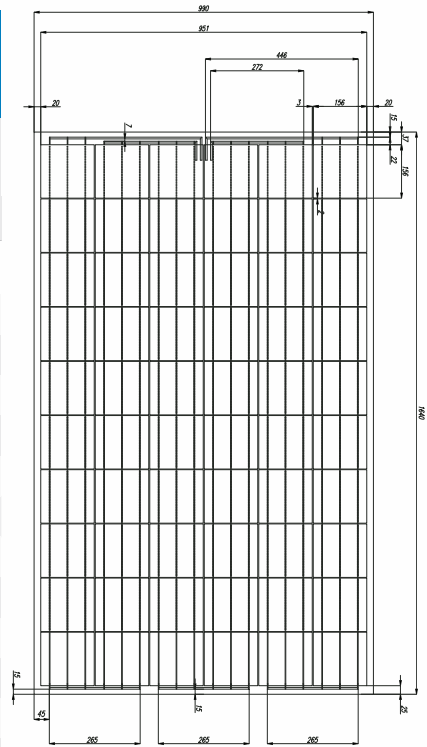


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Electrical Characteristics

| 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 (%) |
|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|------------------------------------|--|-----------------------|---------------------|
| 264.99W | 32.46V | 8.56A | 38.46V | 9.11A | 19.10% | 16.00% | +0...5W |

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



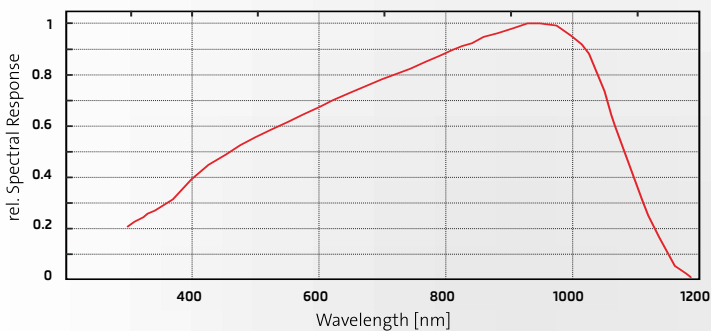
Mechanical Characteristics

| | |
|-----------------------|--|
| Solar Cells | Monocrystalline 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 |

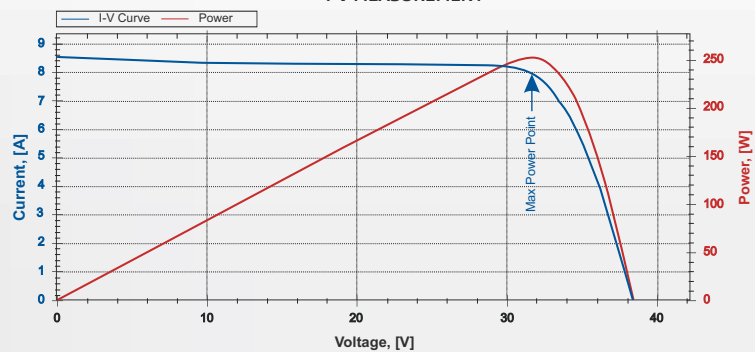
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SPECTRAL RESPONSE



I-V MEASUREMENT



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 |

Packing Configuration

| | |
|-------------------------------------|---------|
| Modules/Pallet | 25 pcs |
| Maximum Pallets / Container (40`GP) | 25 pcs |
| Maximum Modules / Container (40`GP) | 625 pcs |

* Pallet dimensions: 1000 x 1700mm
* Pallet height: 1200mm
* Pallet weight: 485kg

Polycrystalline photovoltaic panel WT 250P17



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Model WT 250P17



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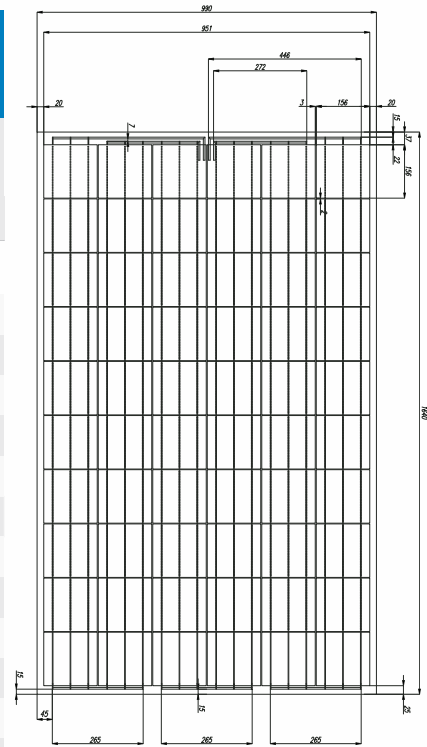
Electrical Characteristics

| 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 (%) |
|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|------------------------------------|--|-----------------------|---------------------|
| 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 |
| Jonction Box | Tyco Solarlok Z - Rail, Slim: 115mm x110mm x23mm |
| Ingress Protection | IP65 |
| Output Cables | 4.0mm ² , symetrical 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 |

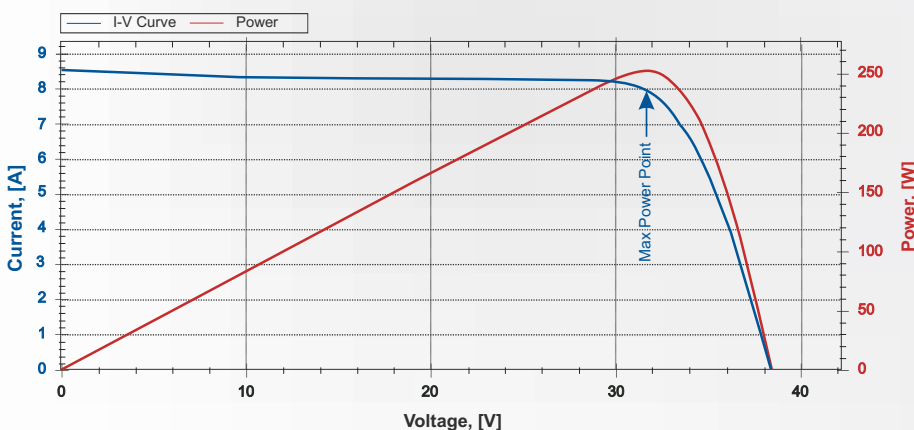
Operating Parameters

| | |
|----------------------------|------------------|
| 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

Polycrystalline photovoltaic panel WT 255P17



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Model WT 255P17



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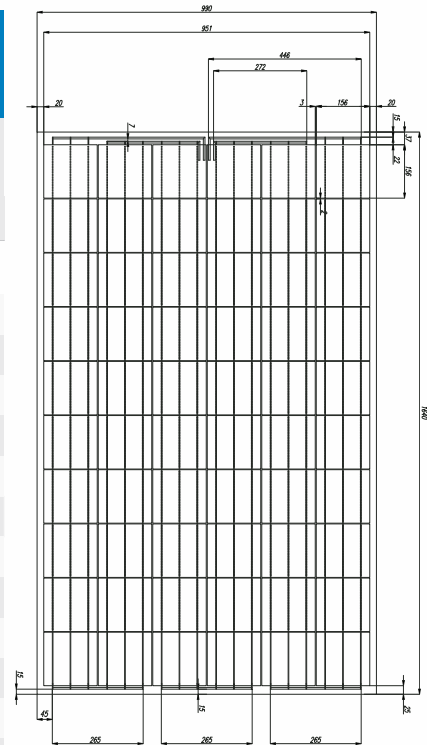
Electrical Characteristics

| 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 (%) |
|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|------------------------------------|--|-----------------------|---------------------|
| 259.99W | 31.8V | 8.428A | 38.1V | 8.963A | 18.3% | 16.6% | 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) |
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| 45 +/- 2°C | 0.0473 | -0.3166 | -0.397 |

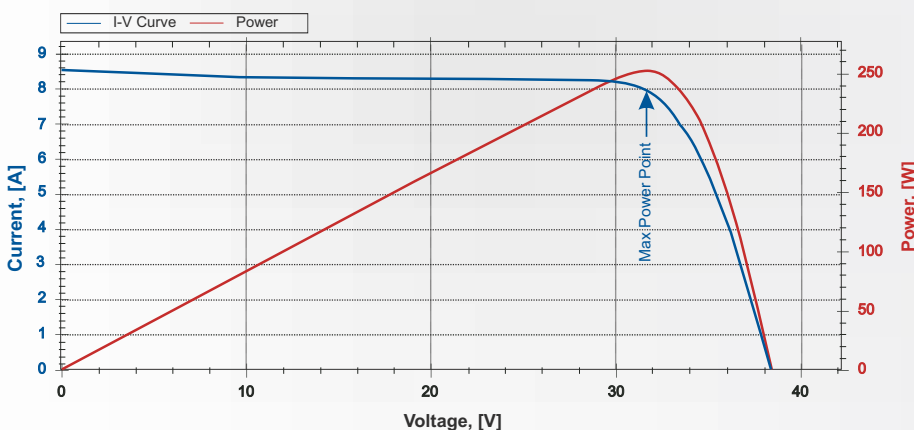
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| | |
|----------------------------|------------------|
| Operating Temperature | from -40 to 85°C |
| Deposit Temperature | from -40 to 85°C |
| Maximum System Voltage | 1000VDC(IEC) |
| Maximum Series Fuse Rating | 20A |

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 1700mm
* Pallet height: 1200mm
* Pallet weight: 485kg

Polycrystalline photovoltaic panel WT 260P17



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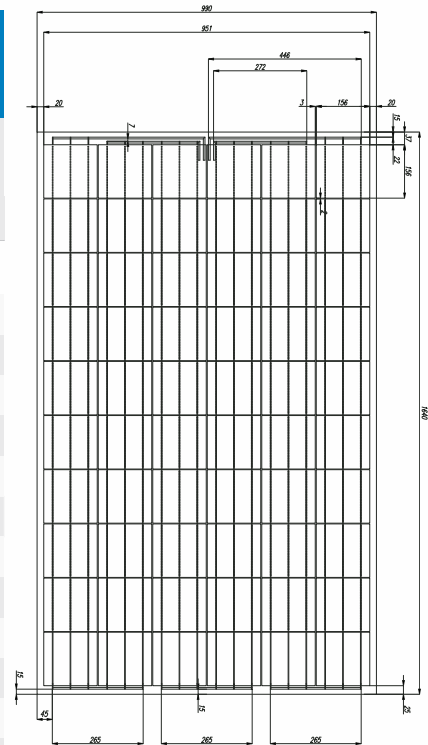
Electrical Characteristics

| 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 (%) |
|----------------------------------|------------------------------------|------------------------------------|-----------------------------------|------------------------------------|--|-----------------------|---------------------|
| 264.99W | 32.04V | 8.466A | 38.28V | 9.002A | 18.5% | 16.76% | 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 |
| Jonction Box | Tyco Solarlok Z - Rail, Slim: 115mm x110mm x23mm |
| Ingress Protection | IP65 |
| Output Cables | 4.0mm ² , symetrical 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

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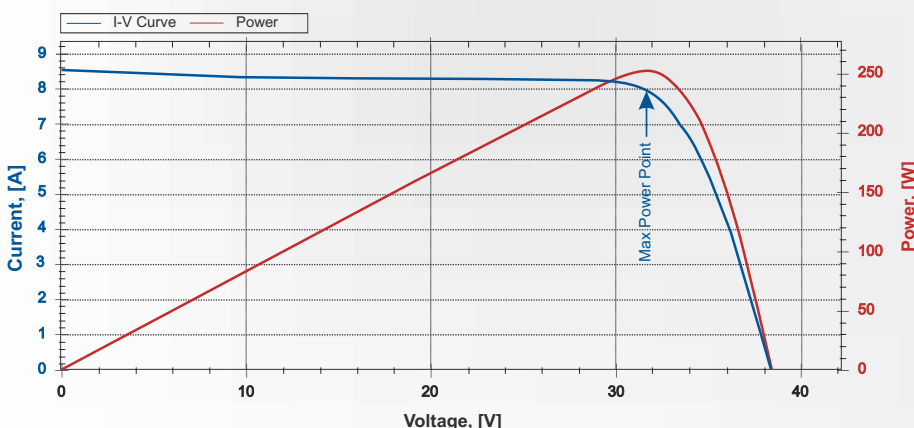
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Weak light performance

| 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

| | |
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| 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

Polycrystalline photovoltaic panel WT 300P17



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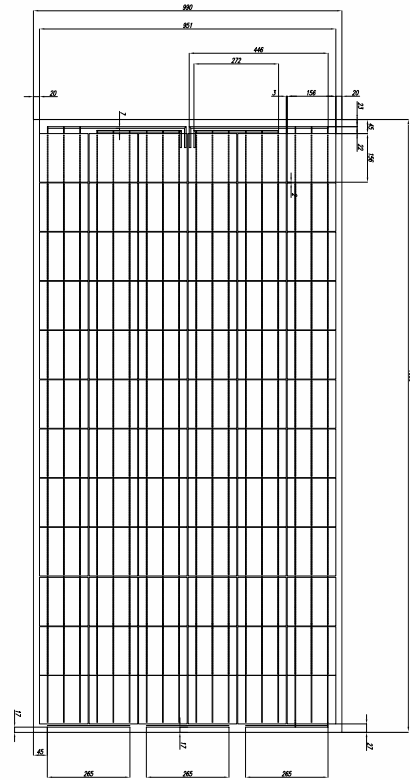
Electrical Characteristics

| 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% | 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 | 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 |
| 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 |
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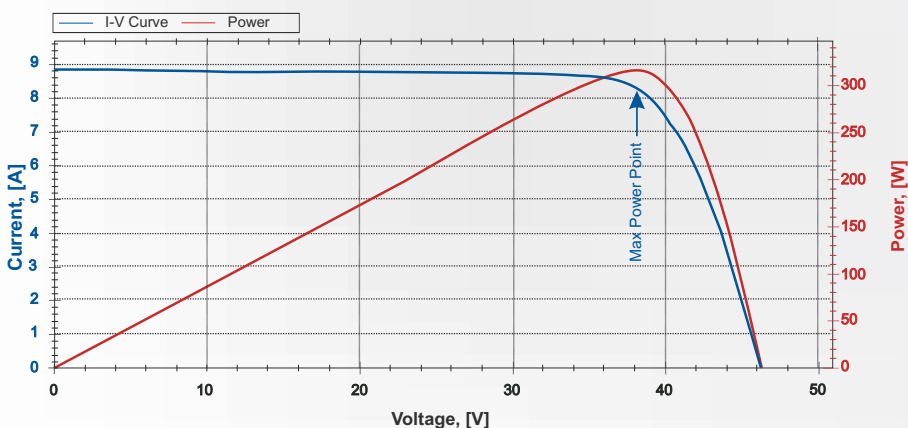
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Weak light performance

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| 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 2000mm
* Pallet height: 1200mm
* Pallet weight: 655kg



wattrom.com

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