

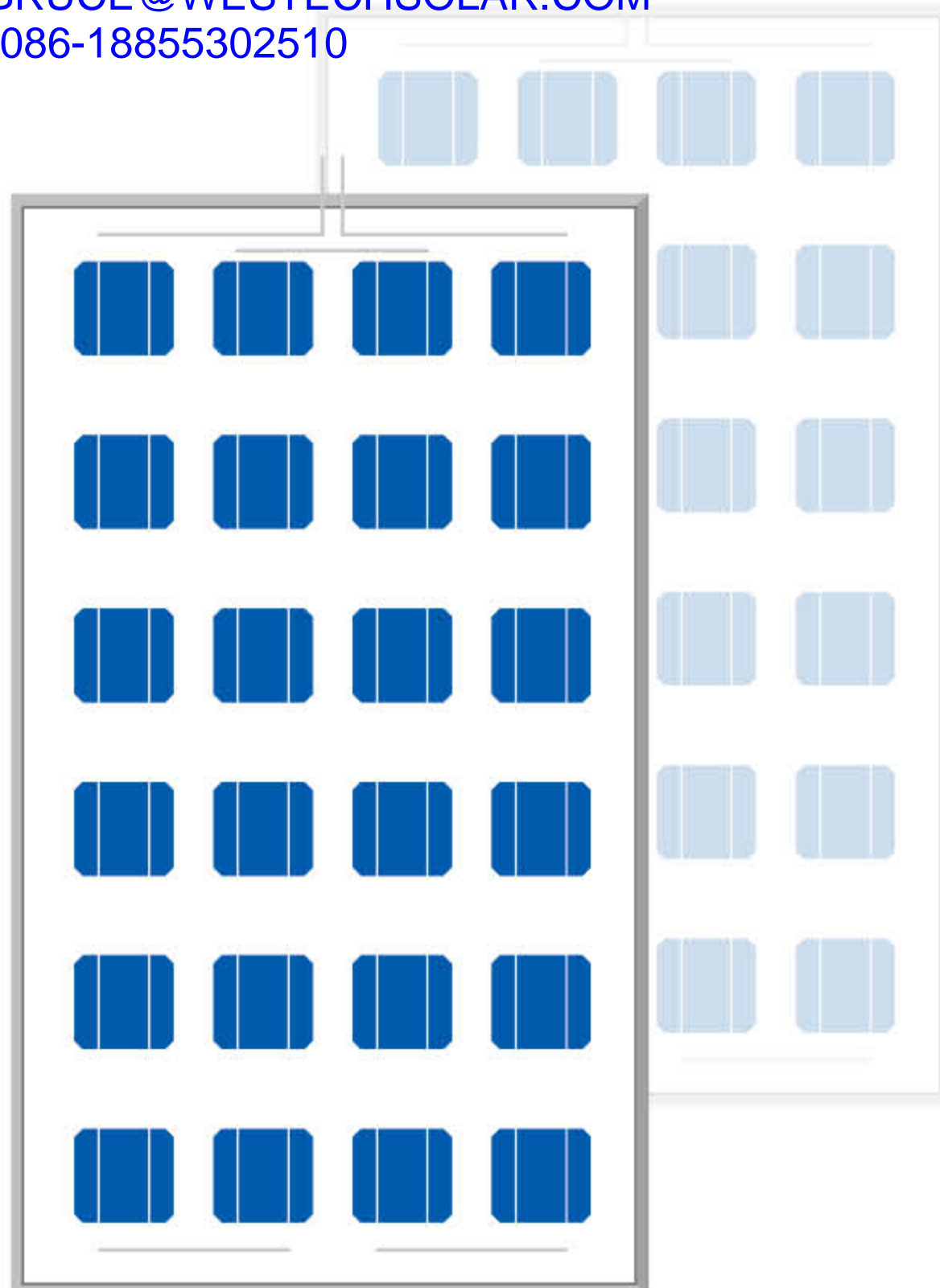


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM060-BIPV-A-24 Photovoltaic modules
24pcs 125×125mm mono-crystalline silicon cell

FURTHER DETAILS,PLEASE CONTACT BRUCE:
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Photovoltaic modules 24pcs 125*125mm mono-crystalline silicon cell

The TDM060 BIPV series modules consist of 24pcs 125*125mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time,they can withstand the storm,strong wind and hail impact, ect.

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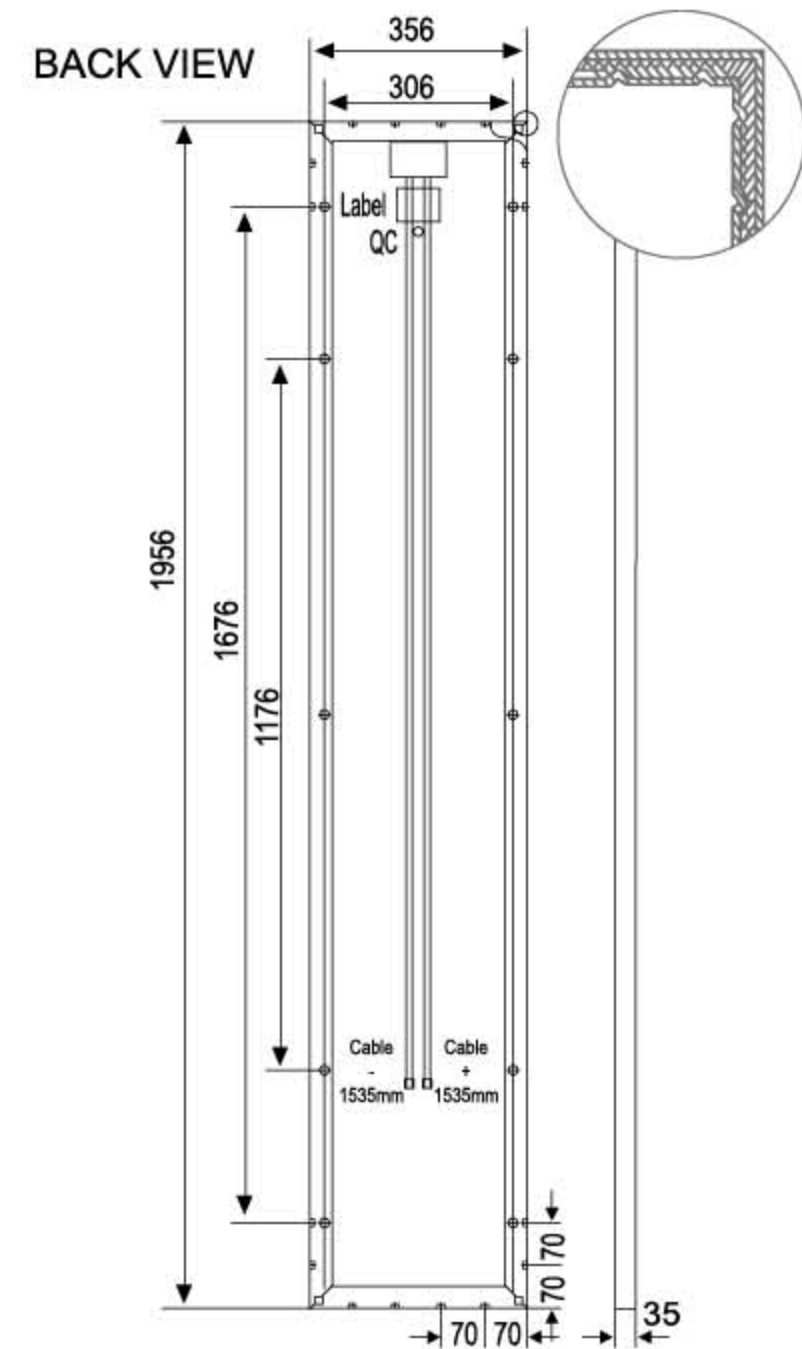
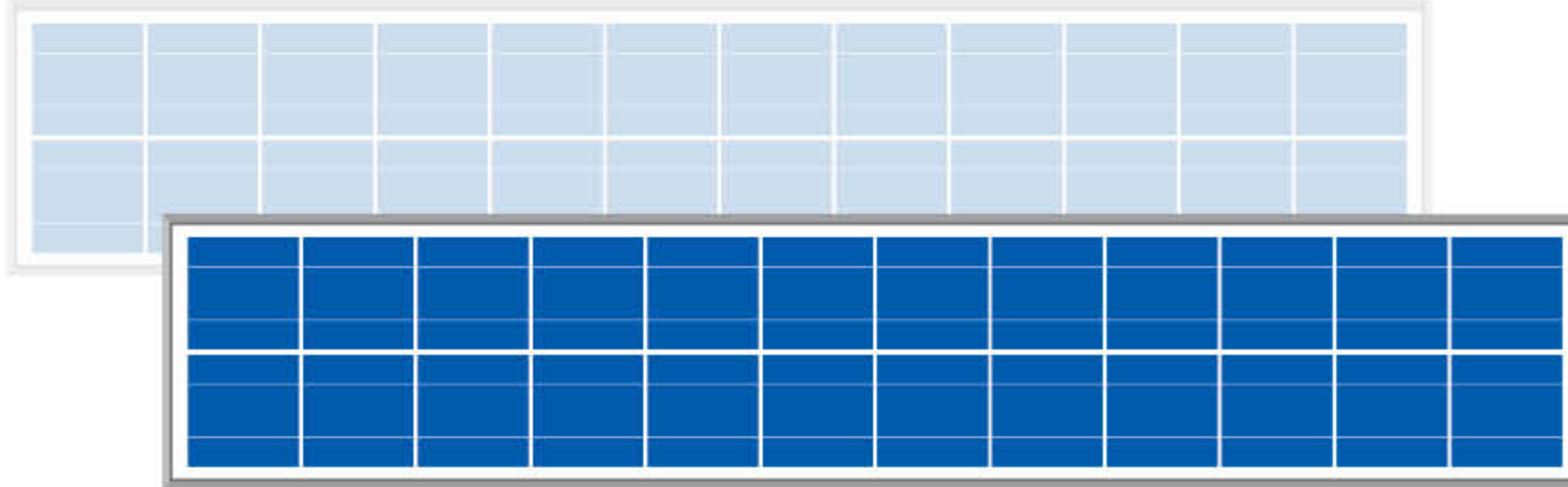
| Double Glazing Module | |
|-----------------------------|-----------------------|
| Module Type: | TDM060-BIPV-A-24 |
| Module Size: | 1500mm*800mm |
| Cell Size: | 125*125mm Monocrystal |
| Cell Array: | 6*4 |
| Max. Power: | 60W |
| Voltage At Max.Power(vmp): | 13.54V |
| Current At Max.Power(Imp): | 4.431V |
| Open Circuit Voltage(voc): | 15.78V |
| Short Circuit Current(Isc): | 5.281V |
| Transparency: | 70% |
| Glass Thickness: | 5mm+5mm |
| Gross Weight: | 34KG |



Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM100P-B-24 Photovoltaic modules 24pcs 156×156mm poly-crystalline silicon cell



Photovoltaic modules 24pcs 156*156mm poly-crystalline silicon cell

The TDM100P series modules consist of 24pcs 156*156mm poly-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, ect.

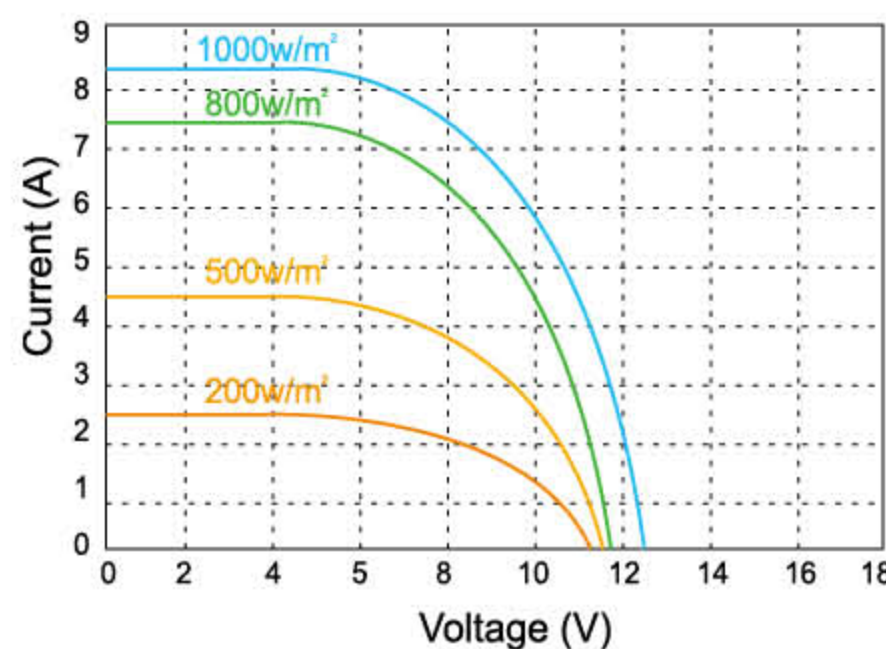
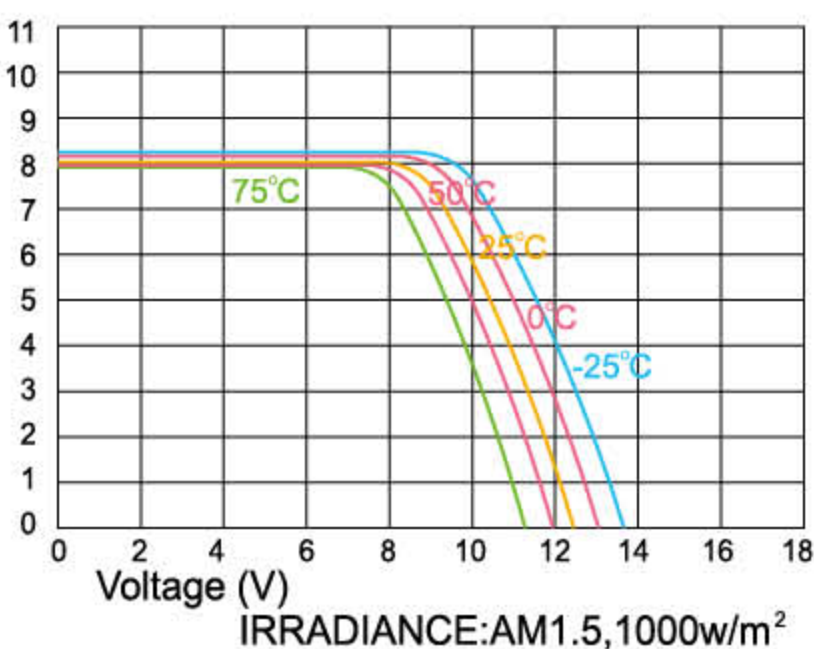
| MODULE | | TDM100P-B-24 | | | | |
|----------------------------|----|------------------------|--------------|--------------|-------|-------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 24/2*12pcs | | | | |
| Maximum Power(Pmax) | W | 90 | 95 | 100 | 105 | 110 |
| Cell Efficiency | % | 15.4 | 16.2 | 17.2 | 18.0 | 18.8 |
| Module Efficiency | % | 12.92 | 13.64 | 14.36 | 15.08 | 15.80 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 14.83 | 15.25 | 15.46 | 15.91 | 16.20 |
| Short Circuit Current(Isc) | A | 8.2 | 8.26 | 8.47 | 8.62 | 8.73 |
| Maximum Power Voltage(Vmp) | V | 11.67 | 11.94 | 12.47 | 12.81 | 13.17 |
| Maximum power Current(Imp) | A | 7.71 | 7.96 | 8.02 | 8.20 | 8.36 |
| Max.syst.Open voltage | V | 1000 | | | | |
| Diodes | | 1by-pass | | | | |
| Dimension | mm | 1956*356*35 | | | | |
| Weight | kg | 10 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 35mm | | 720pcs/20GP | 1584pcs/40GP | 1584pcs/40HQ | | |

Temperature coefficients

| | | |
|--|-------------------|-----------|
| NOCT | | 46°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.08%/°C |
| open-circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.32%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.38%/°C |
| NOCT : Nominal Operating Cell Temperature data is only for reference | | |

Output

| | | | | | |
|-------|--------------------------|--------|--------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 1535mm | Connector | MC Type |
|-------|--------------------------|--------|--------|-----------|---------|



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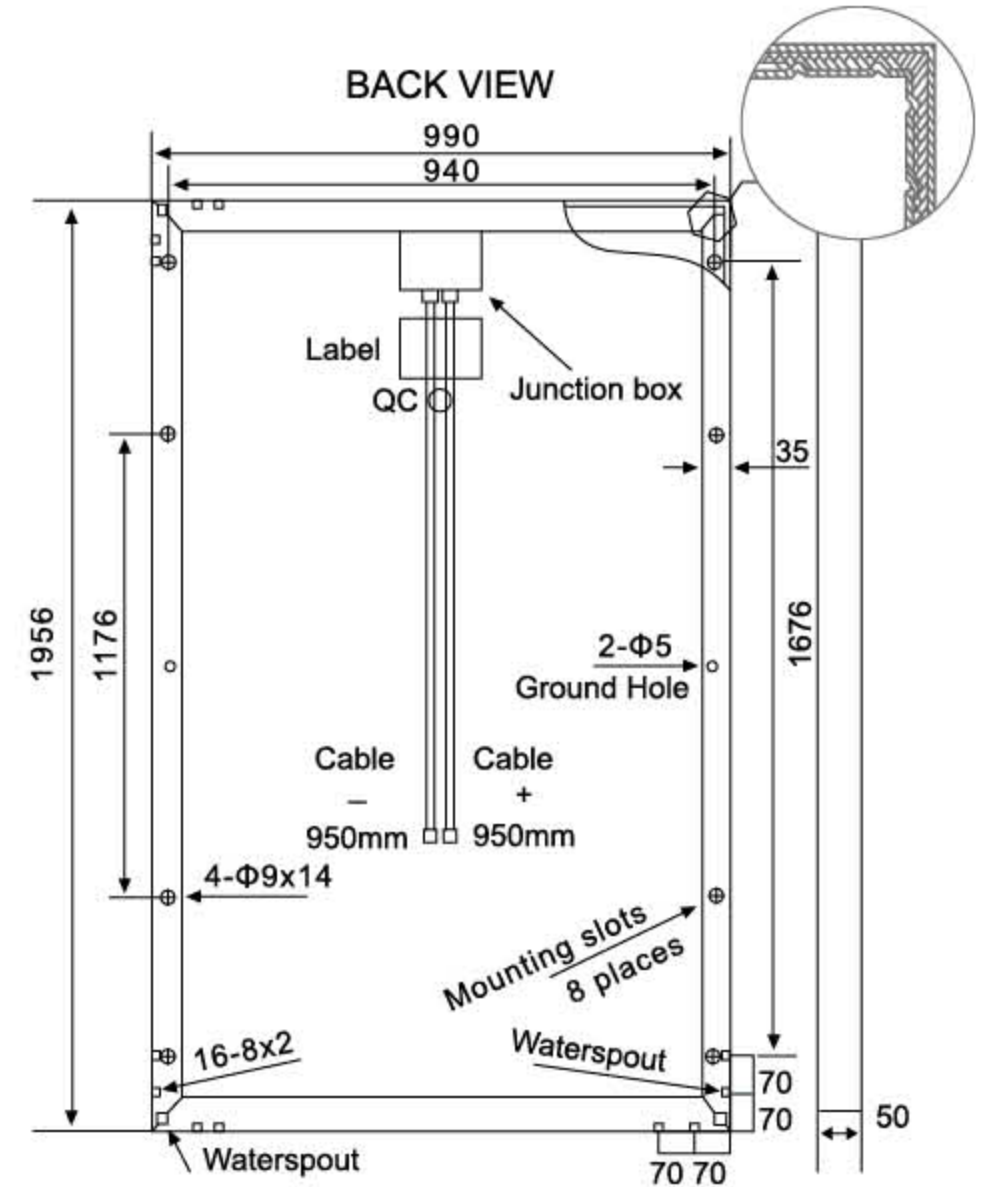
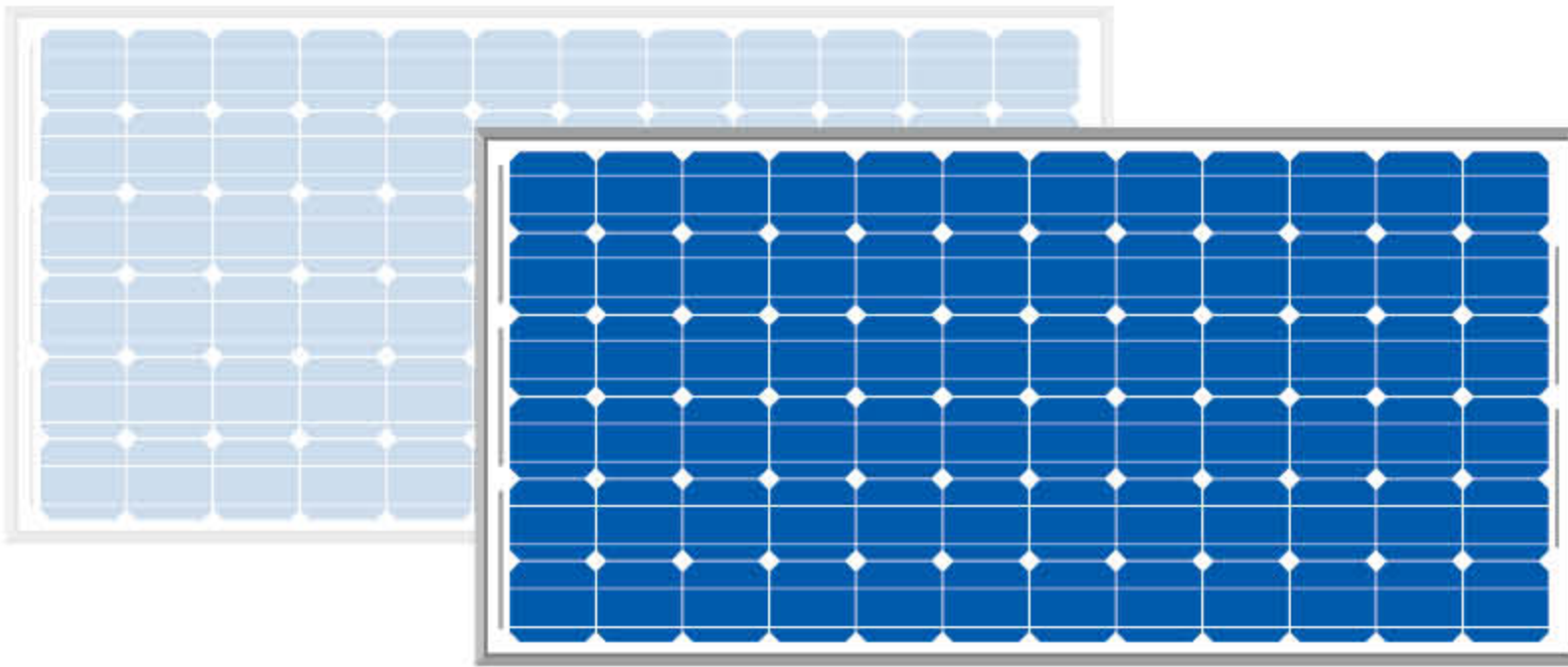


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM300-B-72

Photovoltaic modules
72pcs 156*156mm mono-crystalline silicon cell



| MODULE | | TDM300-B-72 | | | | |
|----------------------------|----|------------------------|-------------|-------------|-------|-------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 72/12*6pcs | | | | |
| Maximum Power(Pmax) | W | 290 | 295 | 300 | 305 | 310 |
| Cell Efficiency | % | 16.8 | 17.2 | 17.4 | 17.6 | 18.1 |
| Module Efficiency | % | 14.98 | 15.23 | 15.49 | 15.75 | 16.01 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 44.8 | 45.4 | 45.8 | 45.8 | 46.0 |
| Short Circuit Current(Isc) | A | 8.41 | 8.66 | 8.71 | 8.79 | 9.05 |
| Maximum Power Voltage(Vmp) | V | 35.7 | 36.3 | 36.7 | 37.1 | 37.2 |
| Maximum power Current(Imp) | A | 8.12 | 8.13 | 8.18 | 8.22 | 8.33 |
| Max.syst.Open voltage | V | 1000 | | | | |
| Diodes | | 6by-pass | | | | |
| Dimension | mm | 1956*990*50 | | | | |
| Weight | kg | 24 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 50mm | | 180pcs/20GP | 396pcs/40GP | 462pcs/40HQ | | |
| 45mm | | 200pcs/20GP | 440pcs/40GP | 506pcs/40HQ | | |

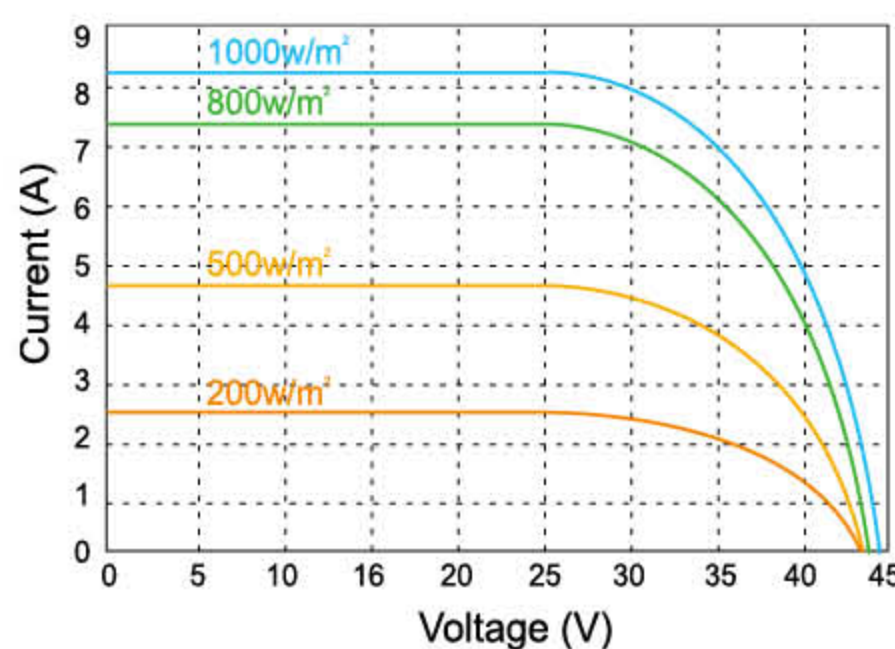
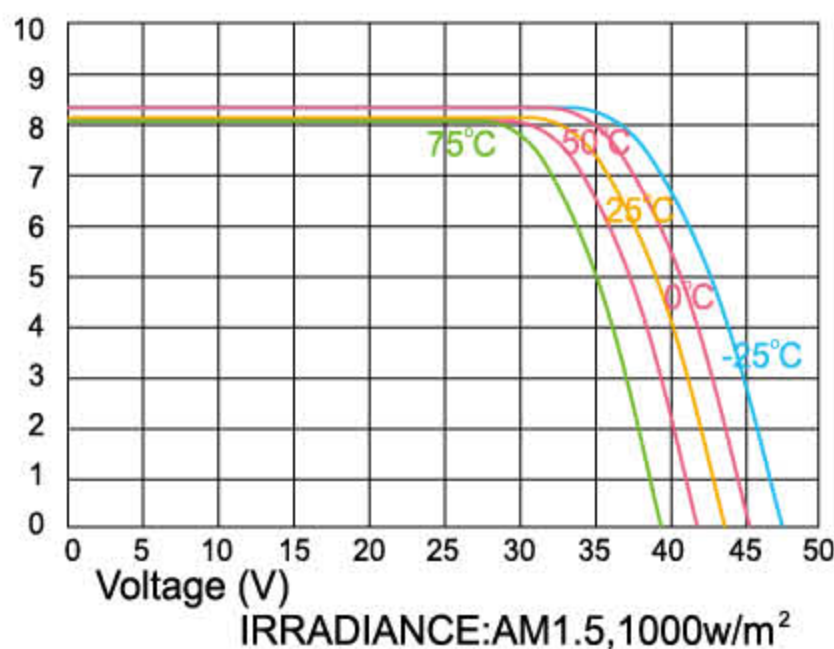
Temperature coefficients

| | | |
|---|-------------------|-----------|
| NOCT | | 45°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.09%/°C |
| open-circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.34%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.37%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 72pcs 156*156mm mono-crystalline silicon cell

The TDM300 series modules consist of 72pcs 156*156mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

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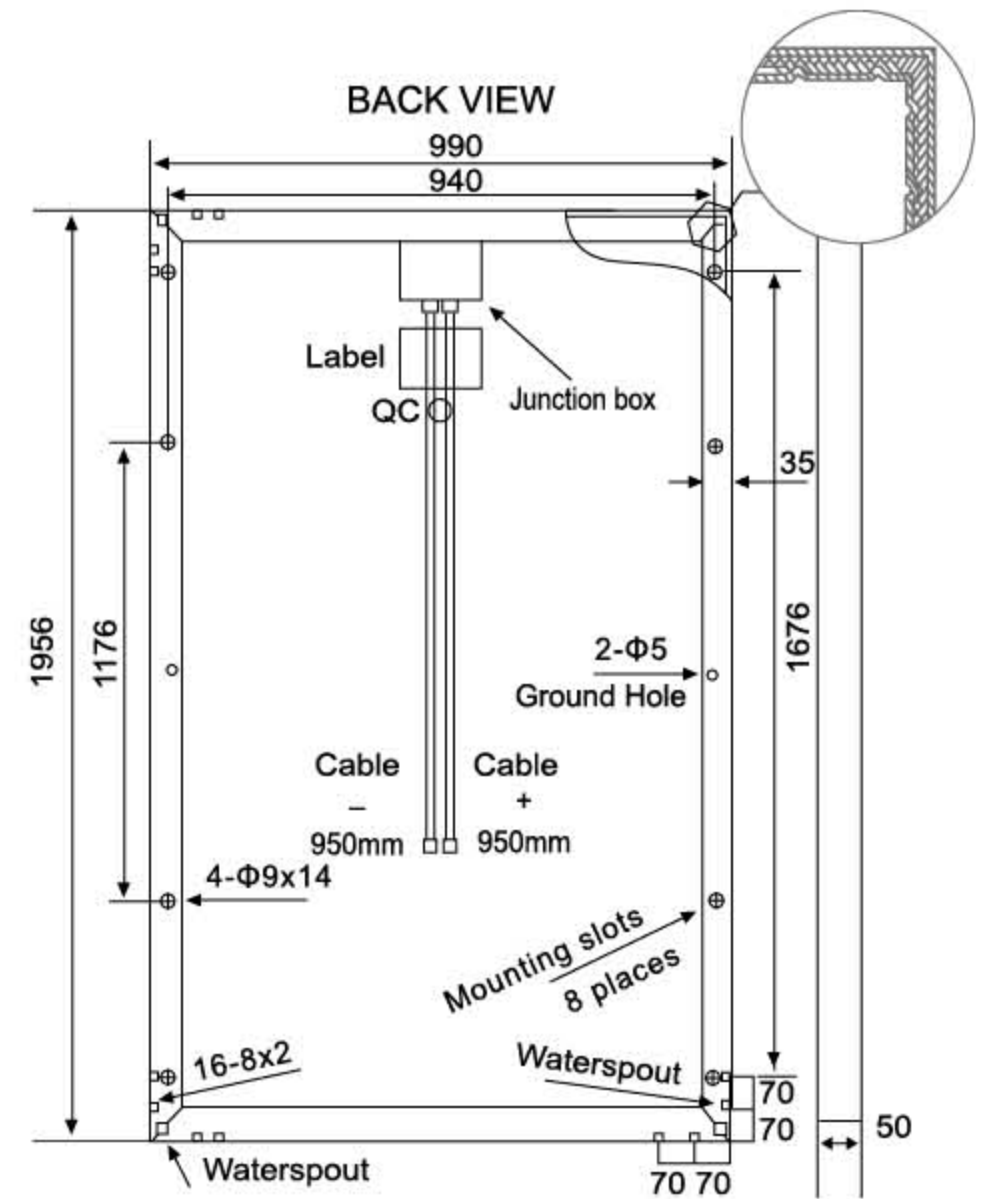
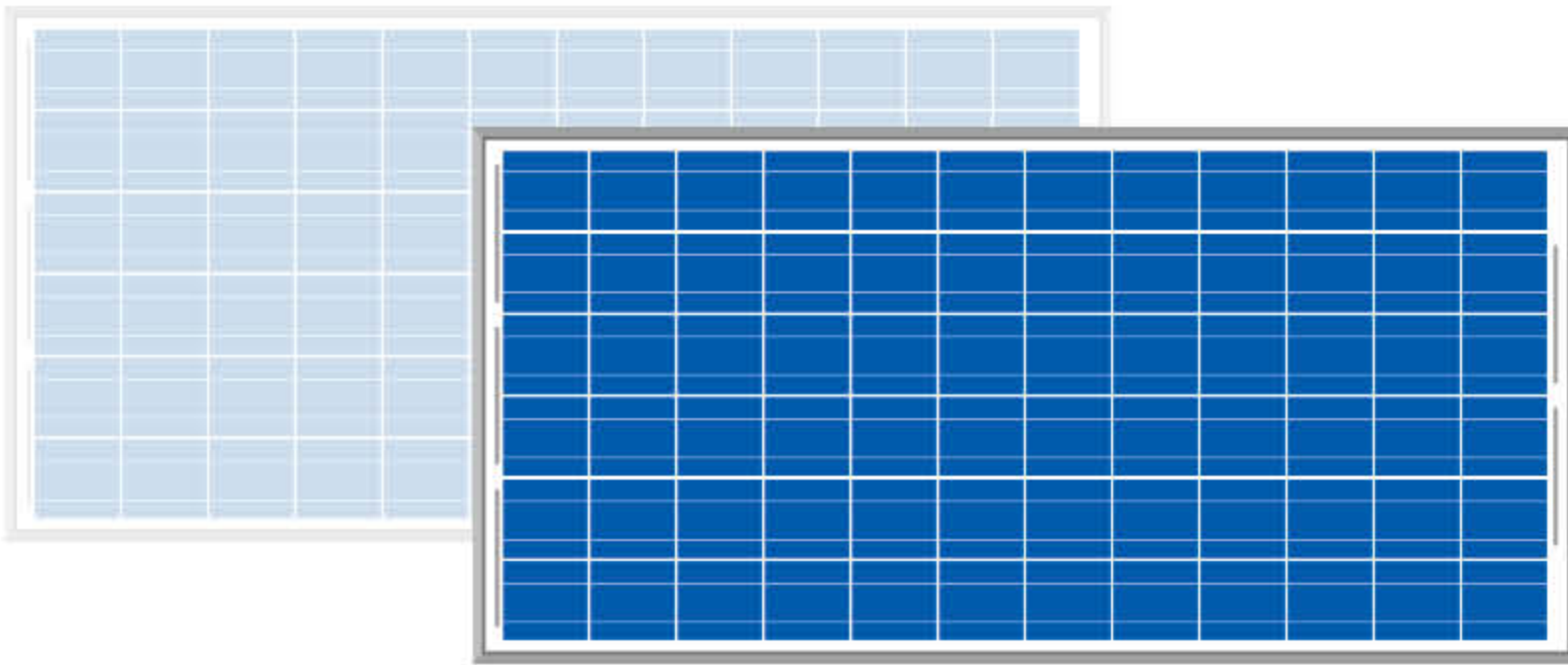




Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM295P-B-72 Photovoltaic modules 72pcs 156*156mm poly-crystalline silicon cell



| MODULE | | TDM295P-B-72 | | | | |
|----------------------------|----|------------------------|-------------|-------------|-------|-------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 72/12*6pcs | | | | |
| Maximum Power(Pmax) | W | 285 | 290 | 295 | 300 | 310 |
| Cell Efficiency | % | 16.4 | 16.6 | 17.0 | 17.2 | 17.8 |
| Module Efficiency | % | 14.72 | 14.98 | 15.23 | 15.49 | 16.01 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 44.8 | 44.8 | 45.0 | 45.8 | 46.0 |
| Short Circuit Current(Isc) | A | 8.37 | 8.40 | 8.44 | 8.64 | 8.87 |
| Maximum Power Voltage(Vmp) | V | 35.8 | 36.5 | 36.8 | 37.1 | 37.4 |
| Maximum power Current(Imp) | A | 7.96 | 7.97 | 7.99 | 8.09 | 8.29 |
| Max.syst.Open voltage | V | 1000 | | | | |
| Diodes | | 6by-pass | | | | |
| Dimension | mm | 1956*990*50 | | | | |
| Weight | kg | 24 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 50mm | | 180pcs/20GP | 396pcs/40GP | 462pcs/40HQ | | |
| 45mm | | 200pcs/20GP | 440pcs/40GP | 506pcs/40HQ | | |

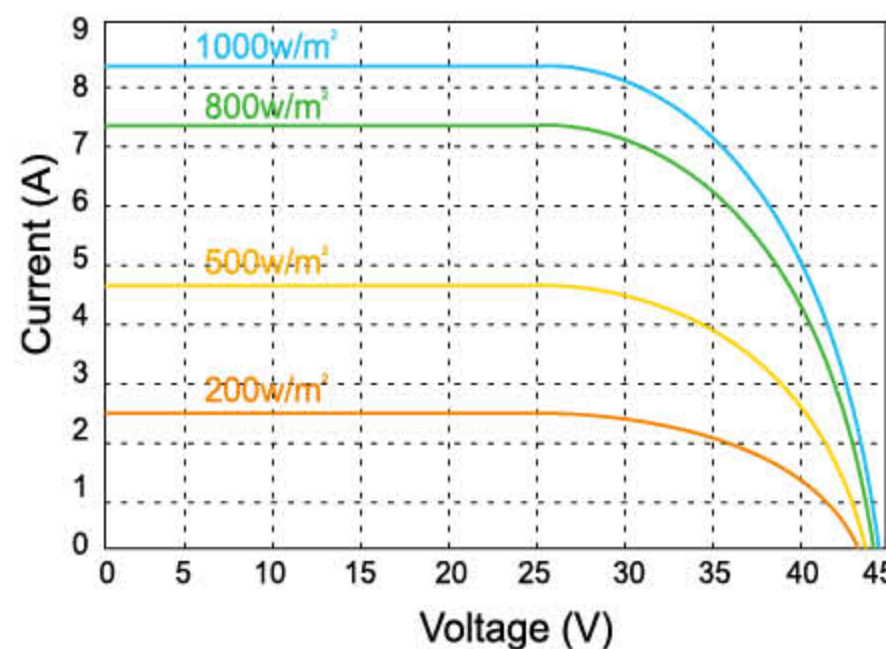
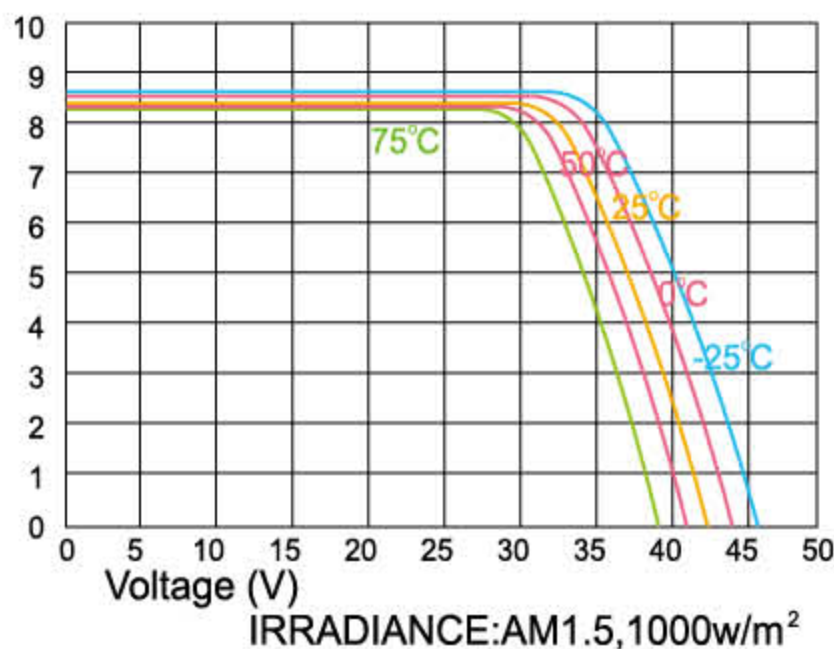
Temperature coefficients

| | | |
|---|-------------------|-----------|
| NOCT | | 46°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.08%/°C |
| open-circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.32%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.38%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 72pcs 156*156mm poly-crystalline silicon cell

The TDM295P series modules consist of 72pcs 156*156mm poly-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

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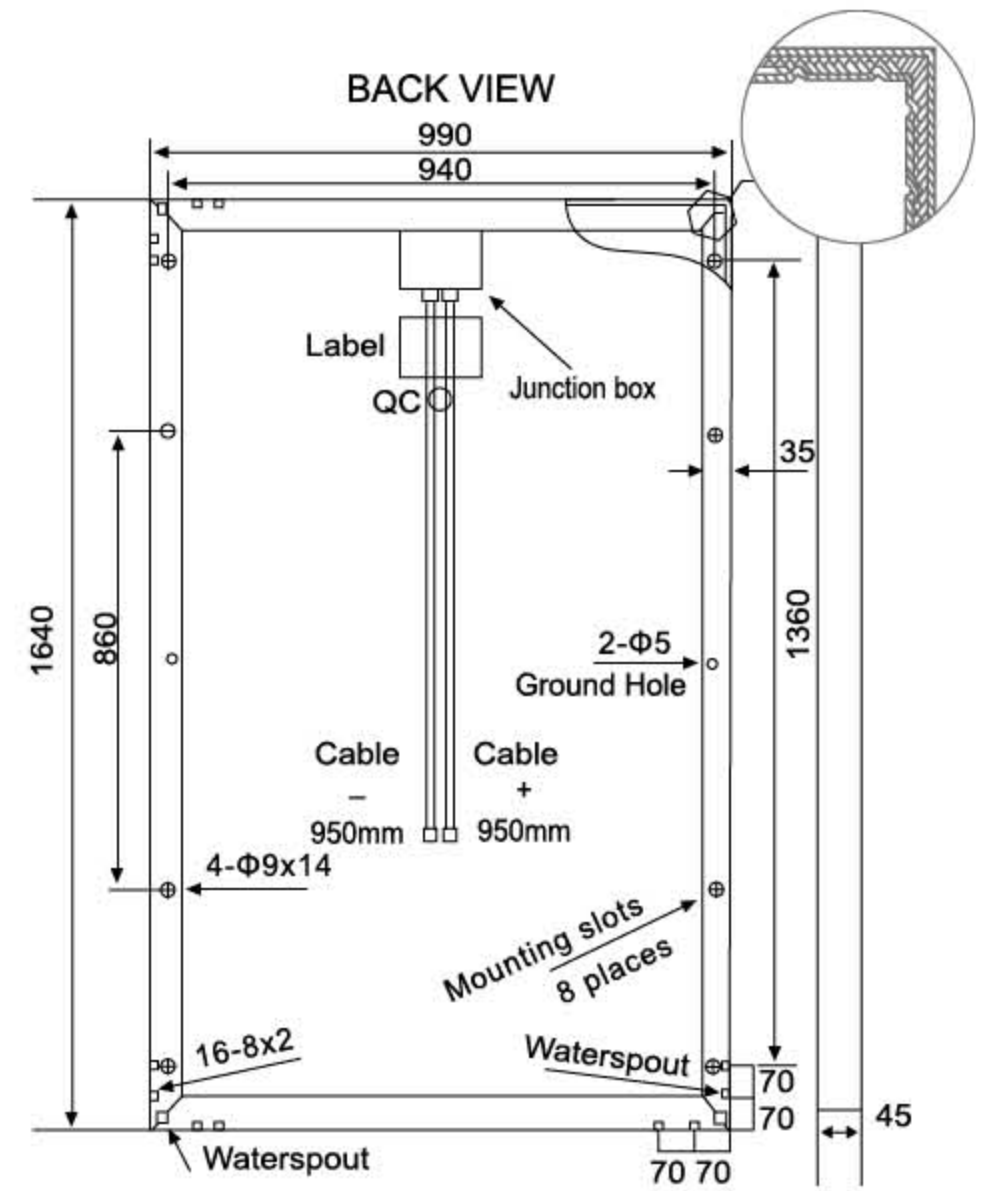
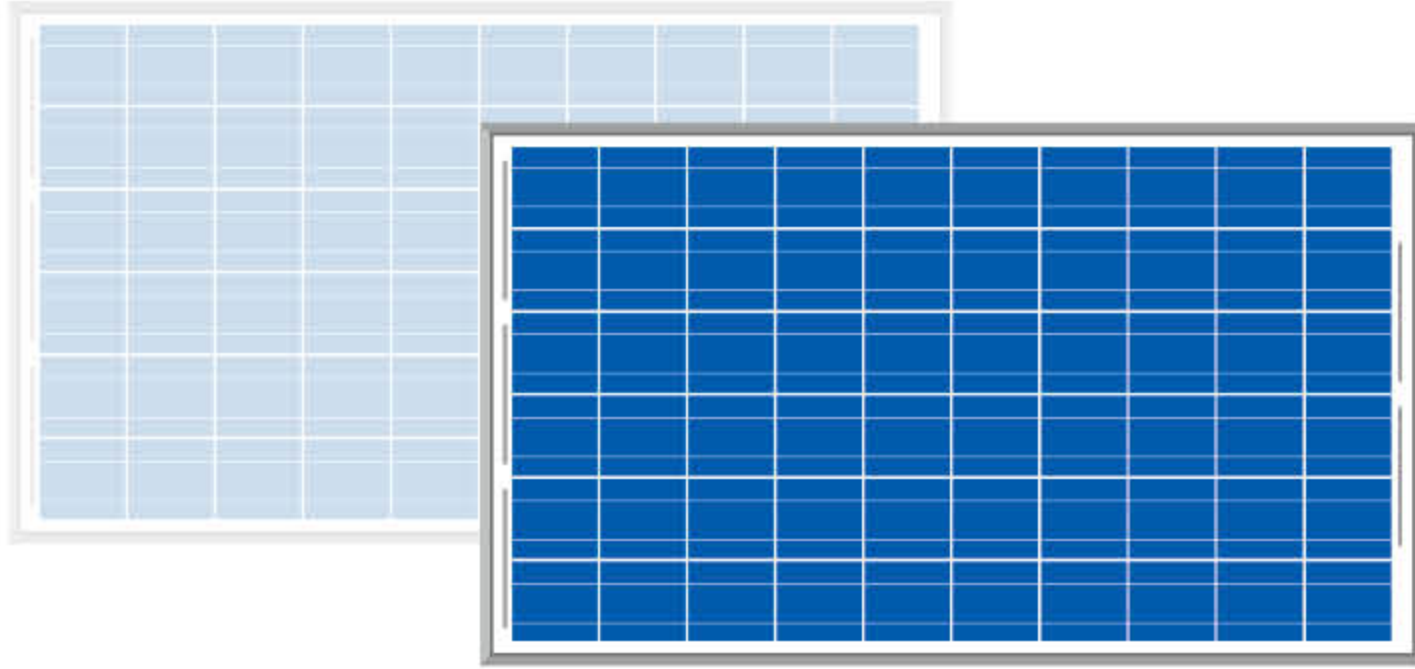




Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM245P-B-60 Photovoltaic modules 60pcs 156*156mm poly-crystalline silicon cell



| MODULE | | TDM245P-B-60 | | | | |
|----------------------------|----|------------------------|-------------|-------------|-------|-------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 60/10*6pcs | | | | |
| Maximum Power(Pmax) | W | 235 | 240 | 245 | 250 | 260 |
| Cell Efficiency | % | 16.2 | 16.6 | 16.8 | 17.2 | 17.8 |
| Module Efficiency | % | 14.47 | 14.78 | 15.09 | 15.40 | 16.01 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 37.0 | 37.2 | 37.2 | 37.4 | 37.6 |
| Short Circuit Current(Isc) | A | 8.29 | 8.33 | 8.49 | 8.62 | 8.98 |
| Maximum Power Voltage(Vmp) | V | 30.0 | 30.2 | 30.4 | 30.6 | 31.0 |
| Maximum power Current(Imp) | A | 7.83 | 7.95 | 8.06 | 8.17 | 8.39 |
| Max.syst.Open voltage | V | 1000 | | | | |
| Diodes | | 6by-pass | | | | |
| Dimension | mm | 1640*990*50 | | | | |
| Weight | kg | 21 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 50mm | | 216pcs/20GP | 504pcs/40GP | 588pcs/40HQ | | |
| 45mm | | 240pcs/20GP | 560pcs/40GP | 644pcs/40HQ | | |
| 40mm | | 264pcs/20GP | 616pcs/40GP | 728pcs/40HQ | | |

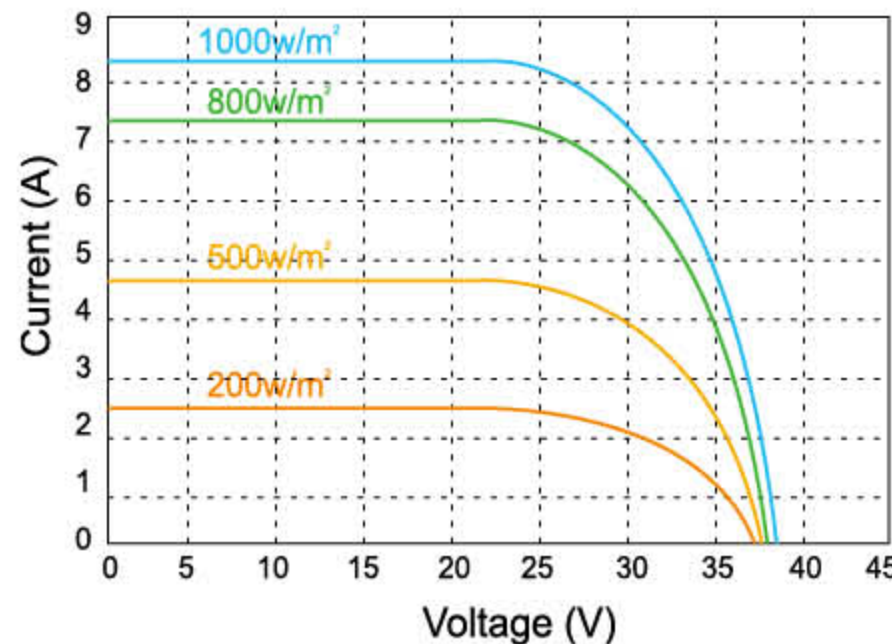
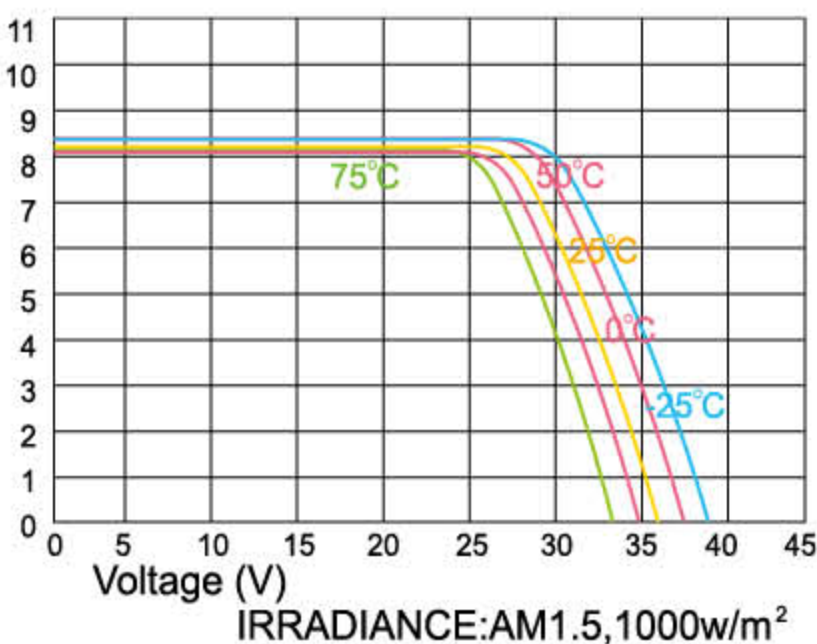
Temperature coefficients

| | | |
|---|---------|-----------|
| NOCT | | 46°C±2°C |
| short-circuit current temperature coefficient | α(Isc) | 0.08%/°C |
| open- circuit Voltage temperature coefficient | β(Voc) | -0.32%/°C |
| peak power temperature coefficient | γ(Pmax) | -0.38%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 60pcs 156*156mm poly-crystalline silicon cell

The TDM245P series modules consist of 60pcs 156*156mm poly-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

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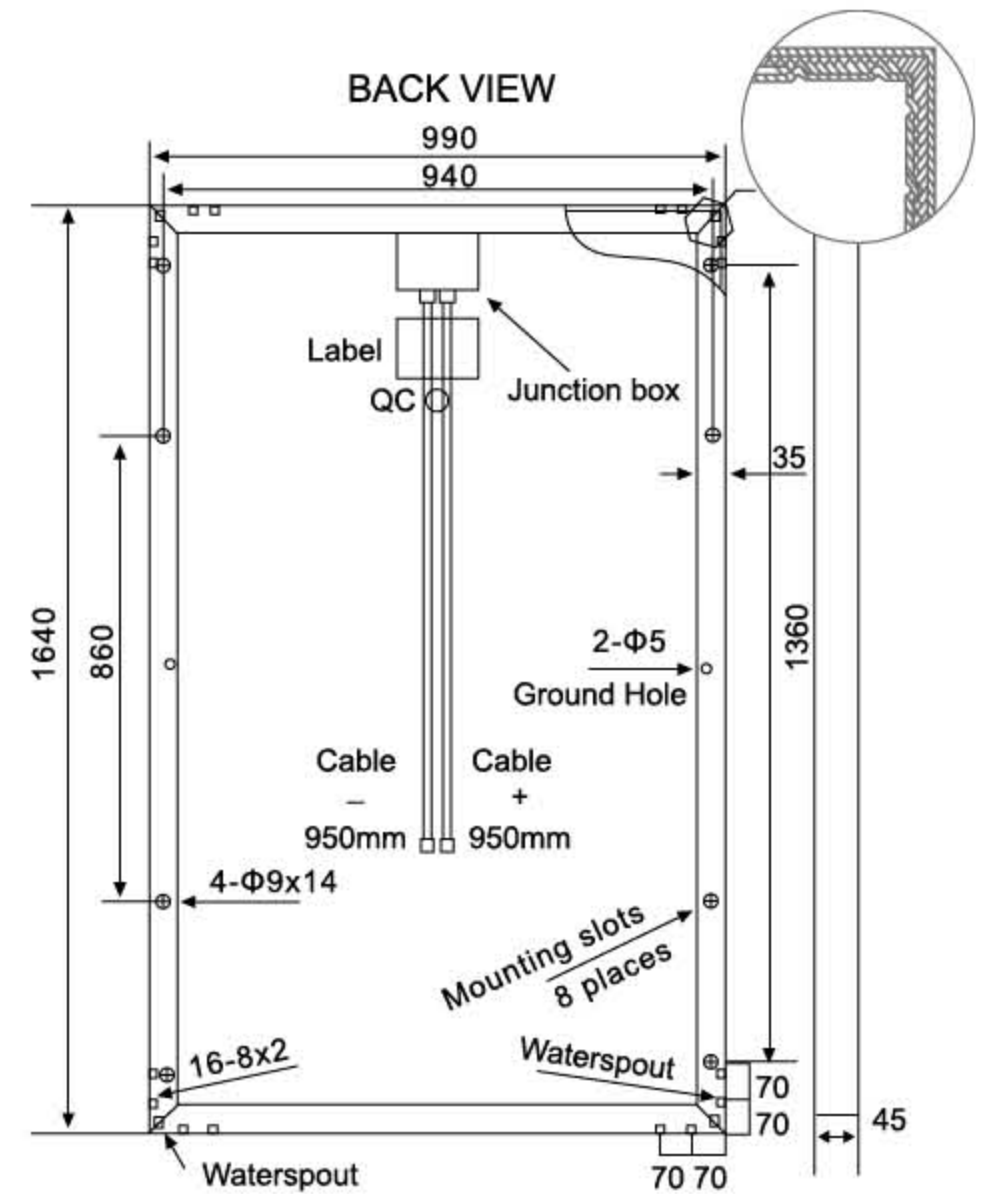
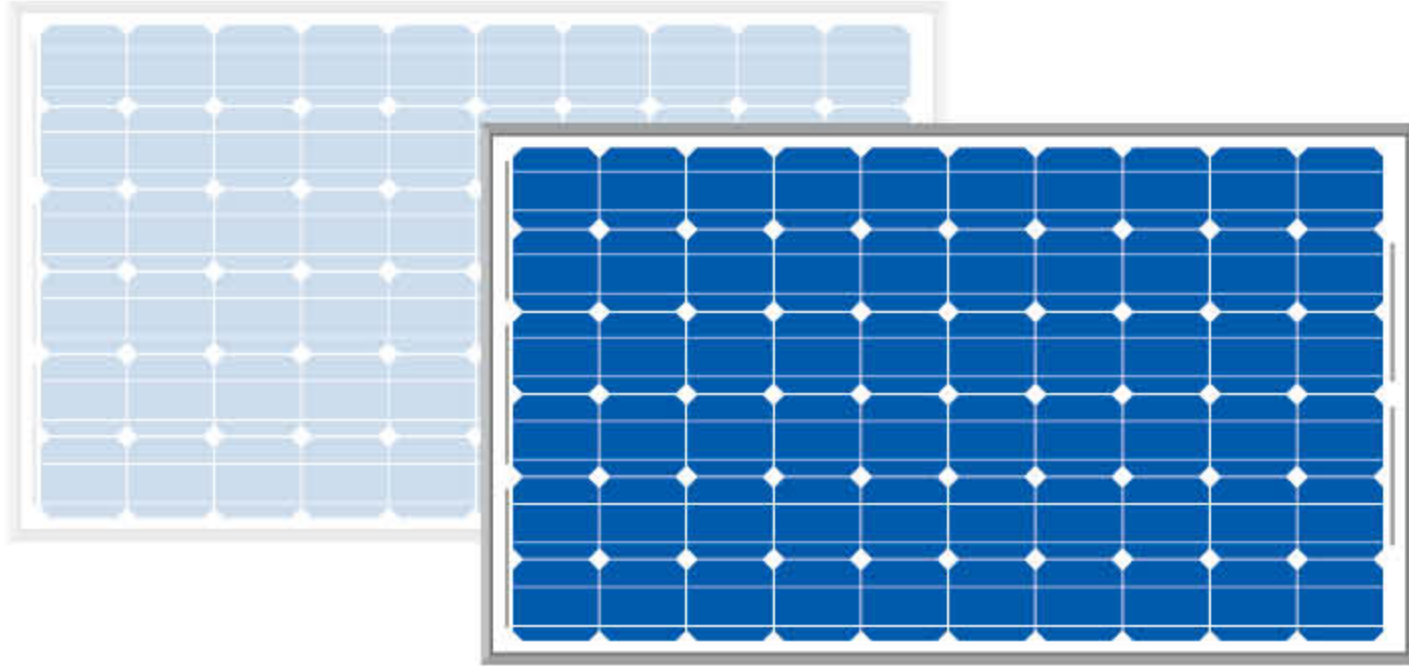


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM250-B-60

Photovoltaic modules
60pcs 156*156mm mono-crystalline silicon cell



| MODULE | | TDM250-B-60 | | | | |
|----------------------------|----|------------------------|-------------|-------------|-------|-------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 60/10*6pcs | | | | |
| Maximum Power(Pmax) | W | 240 | 245 | 250 | 255 | 260 |
| Cell Efficiency | % | 16.6 | 17.0 | 17.4 | 17.8 | 18.2 |
| Module Efficiency | % | 14.78 | 15.09 | 15.40 | 15.70 | 16.01 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 37 | 37.2 | 37.2 | 37.4 | 37.8 |
| Short Circuit Current(Isc) | A | 8.31 | 8.35 | 8.38 | 8.81 | 9.15 |
| Maximum Power Voltage(Vmp) | V | 30.3 | 30.8 | 31.4 | 31.4 | 31.6 |
| Maximum power Current(Imp) | A | 7.92 | 7.95 | 7.96 | 8.12 | 8.23 |
| Max.syst.Open voltage | V | 1000 | | | | |
| Diodes | | 6by-pass | | | | |
| Dimension | mm | 1640*990*50 | | | | |
| Weight | kg | 21 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 50mm | | 216pcs/20GP | 504pcs/40GP | 588pcs/40HQ | | |
| 45mm | | 240pcs/20GP | 560pcs/40GP | 644pcs/40HQ | | |
| 40mm | | 264pcs/20GP | 616pcs/40GP | 728pcs/40HQ | | |

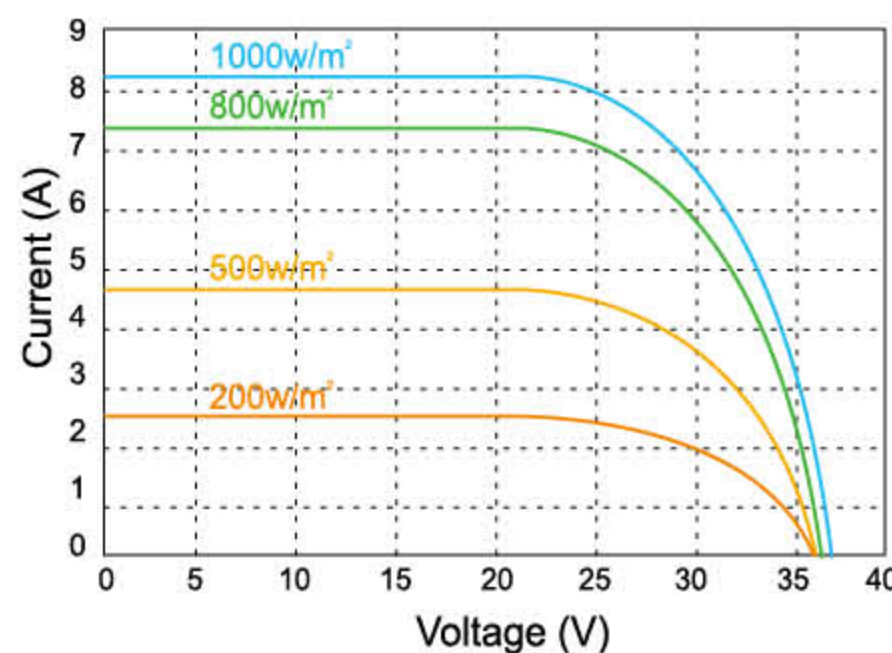
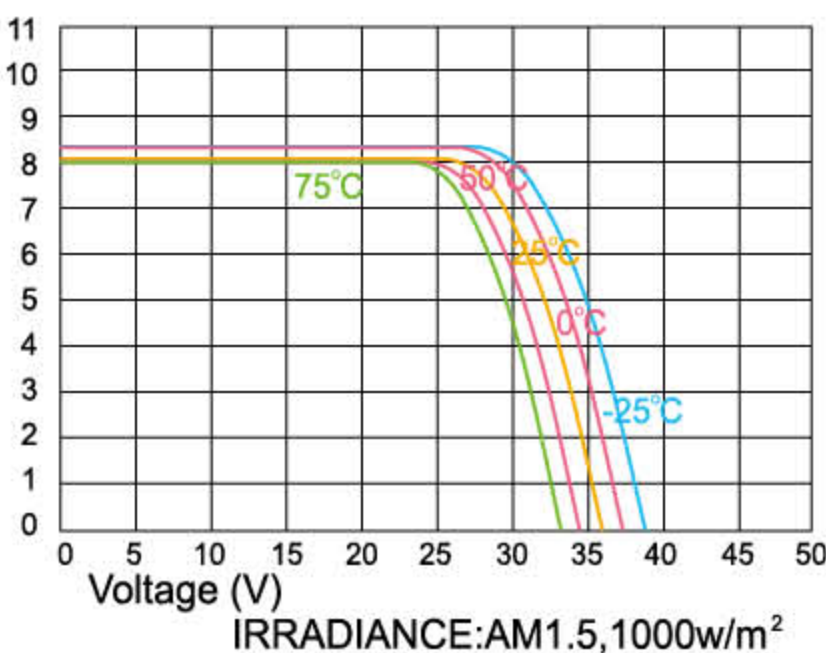
Temperature coefficients

| NOCT | | 45°C±2°C |
|---|-------------------|-----------|
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.09%/°C |
| open- circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.34%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.37%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 60pcs 156*156mm mono-crystalline silicon cell

The TDM250 series modules consist of 60pcs 156*156mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, ect.

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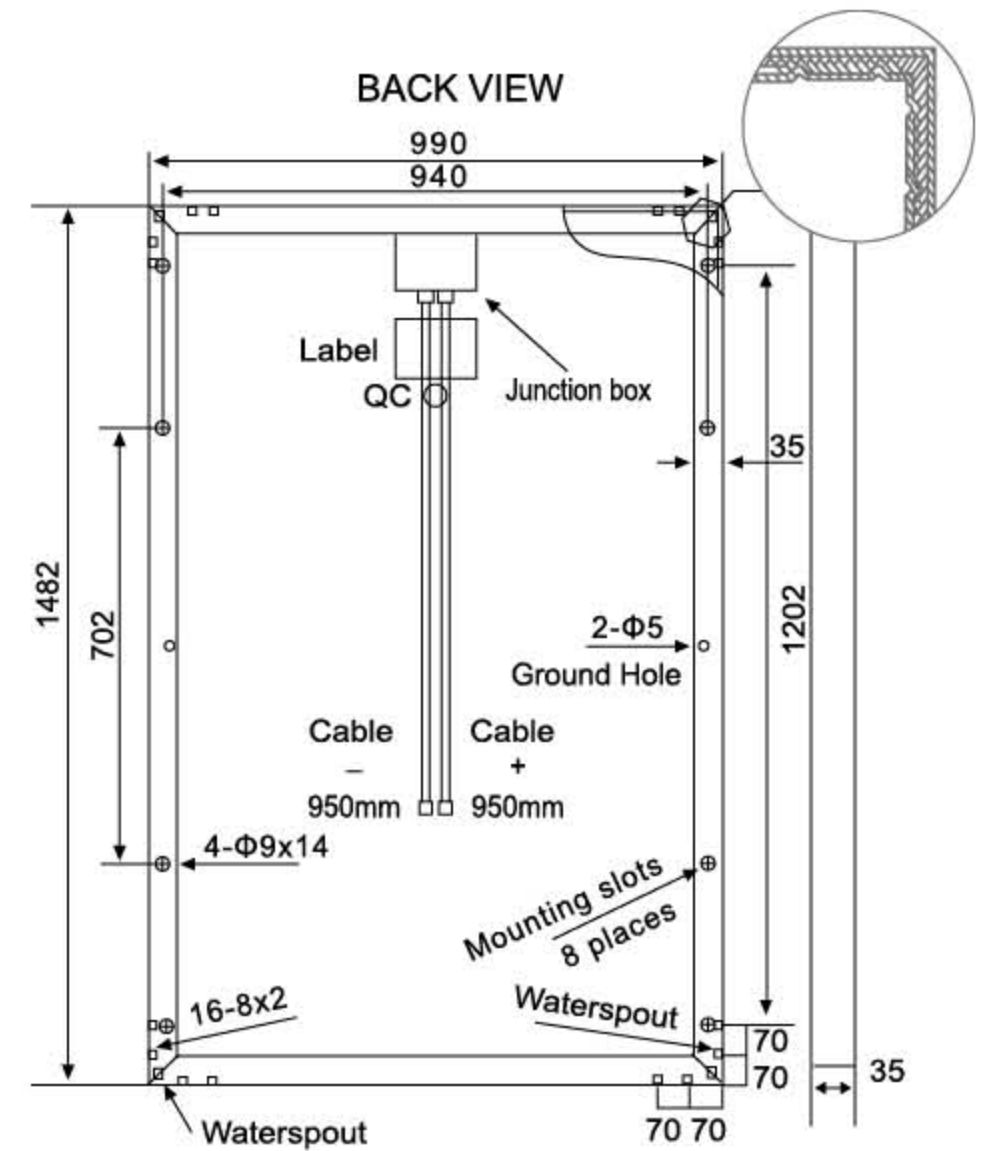
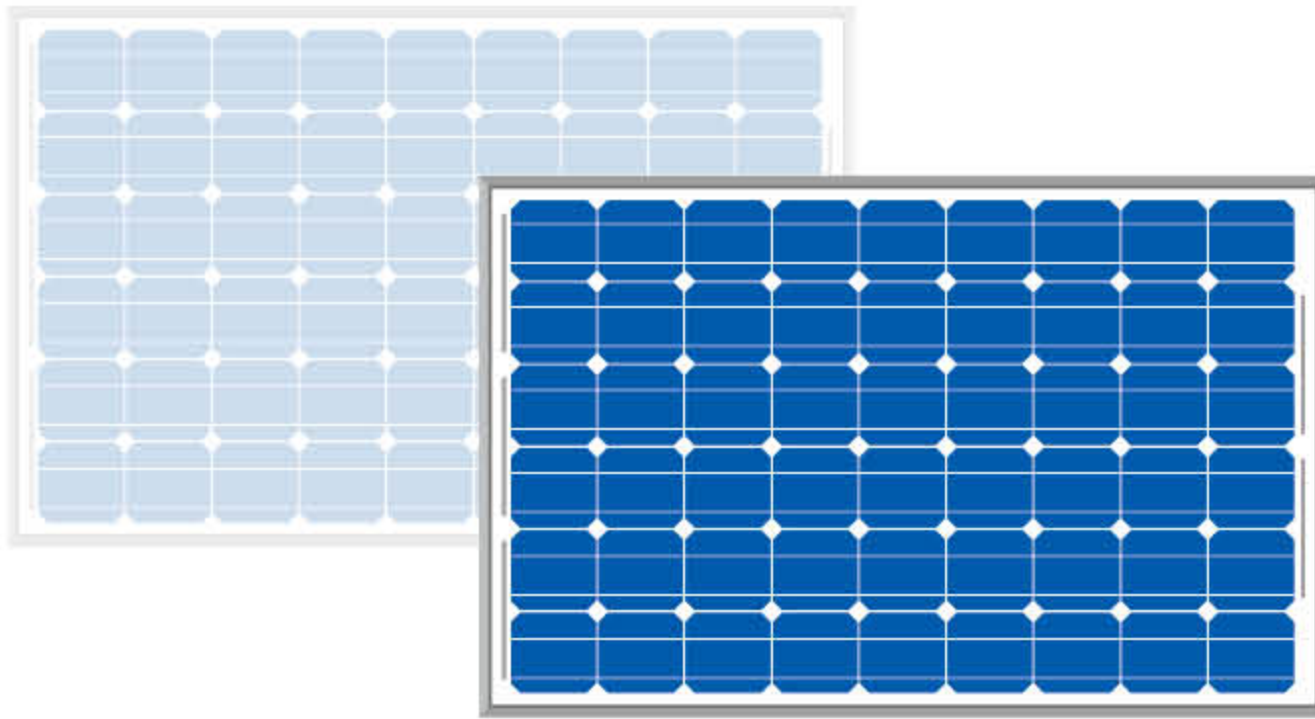


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM225-B-54

Photovoltaic modules
54pcs 156*156mm mono-crystalline silicon cell



| MODULE | | TDM225-B-54 | | | | |
|----------------------------|----|------------------------|-------------|-------------|-------|-------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 54/9*6pcs | | | | |
| Maximum Power(Pmax) | W | 215 | 220 | 225 | 230 | 235 |
| Cell Efficiency | % | 16.6 | 17.0 | 17.4 | 17.8 | 18.2 |
| Module Efficiency | % | 14.65 | 14.99 | 15.34 | 15.68 | 16.02 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 33.7 | 33.7 | 34.2 | 34.2 | 34.4 |
| Short Circuit Current(Isc) | A | 8.34 | 8.35 | 8.41 | 8.50 | 8.81 |
| Maximum Power Voltage(Vmp) | V | 27.0 | 27.5 | 28.0 | 28.5 | 28.8 |
| Maximum power Current(Imp) | A | 7.96 | 7.99 | 8.03 | 8.06 | 8.16 |
| Max.syst.Open voltage | V | 1000 | | | | |
| Diodes | | 6by-pass | | | | |
| Dimension | mm | 1482*990*50 | | | | |
| Weight | kg | 17 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 50mm | | 252pcs/20GP | 540pcs/40GP | 630pcs/40HQ | | |
| 45mm | | 280pcs/20GP | 600pcs/40GP | 690pcs/40HQ | | |
| 40mm | | 308pcs/20GP | 660pcs/40GP | 780pcs/40HQ | | |

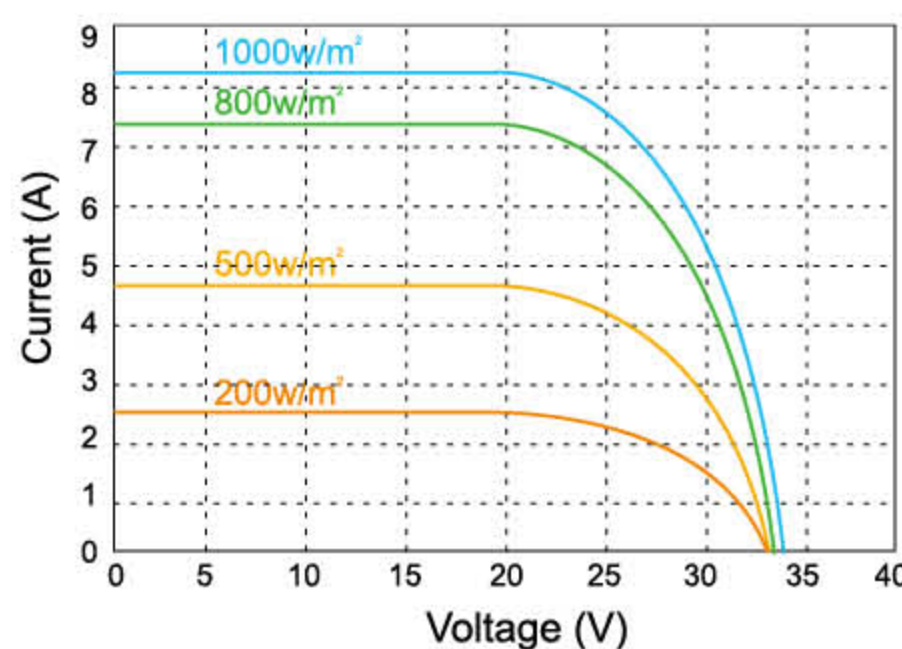
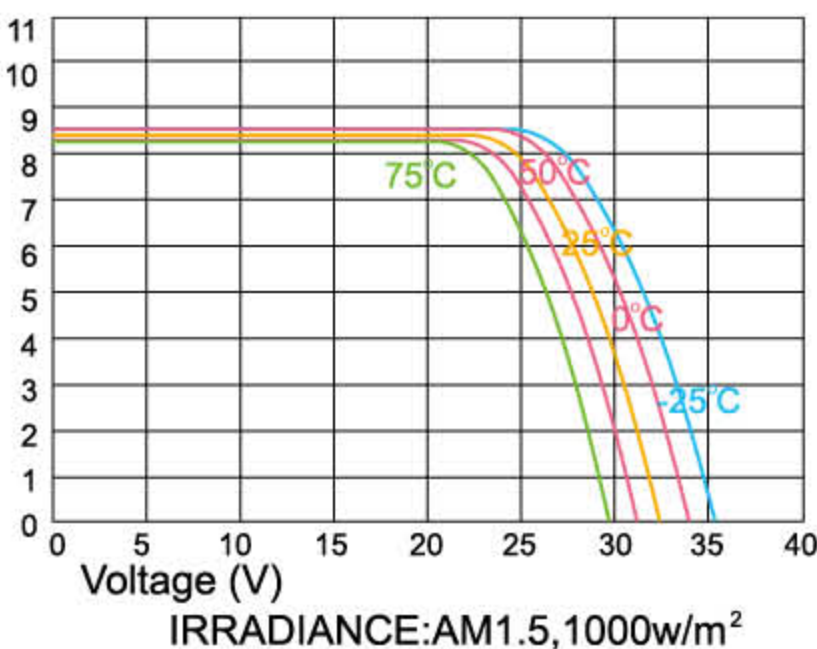
Temperature coefficients

| | | |
|---|---------|-----------|
| NOCT | | 45°C±2°C |
| short-circuit current temperature coefficient | α(Isc) | 0.09%/°C |
| open- circuit Voltage temperature coefficient | β(Voc) | -0.34%/°C |
| peak power temperature coefficient | γ(Pmax) | -0.37%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 54pcs 156*156mm mono-crystalline silicon cell

The TDM225 series modules consist of 54pcs 156*156mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, ect.

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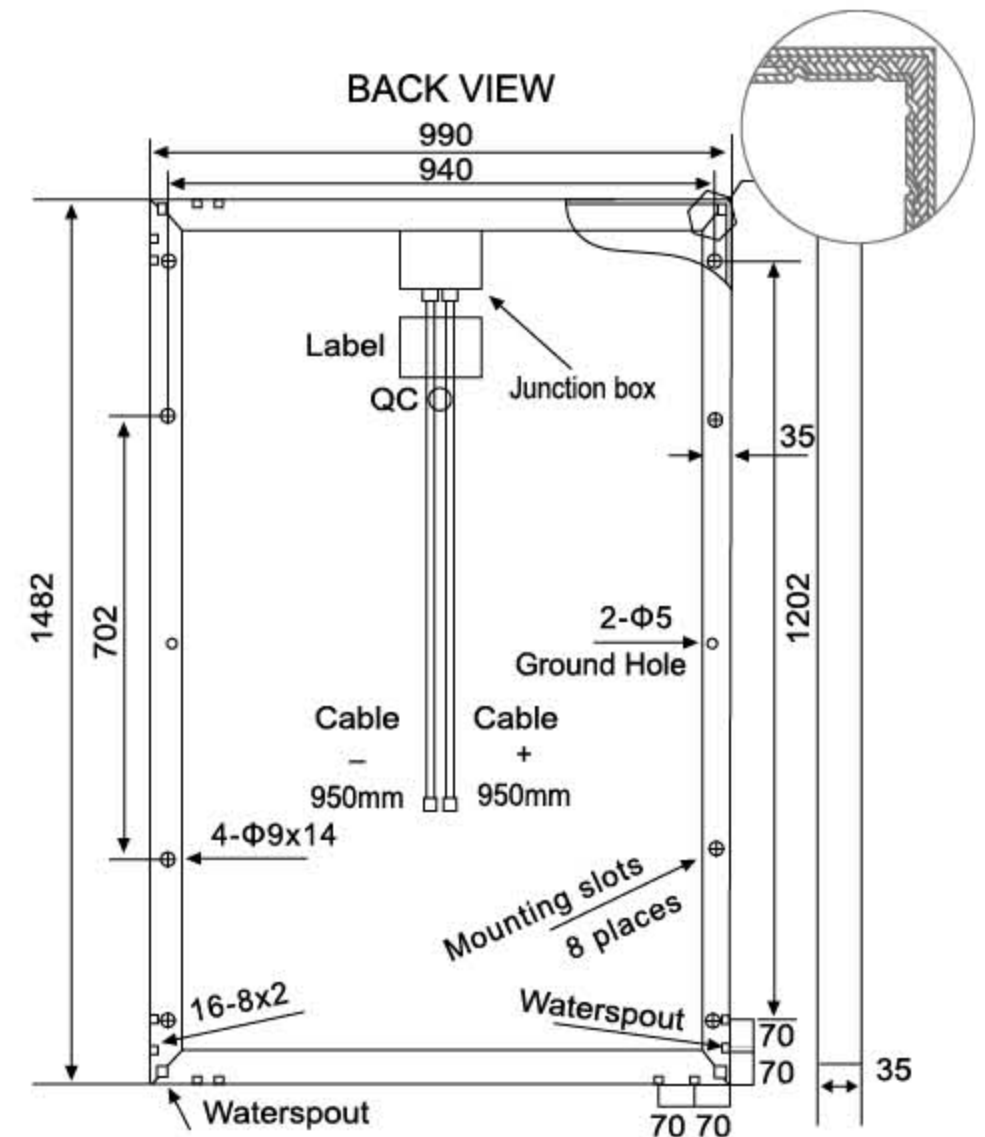
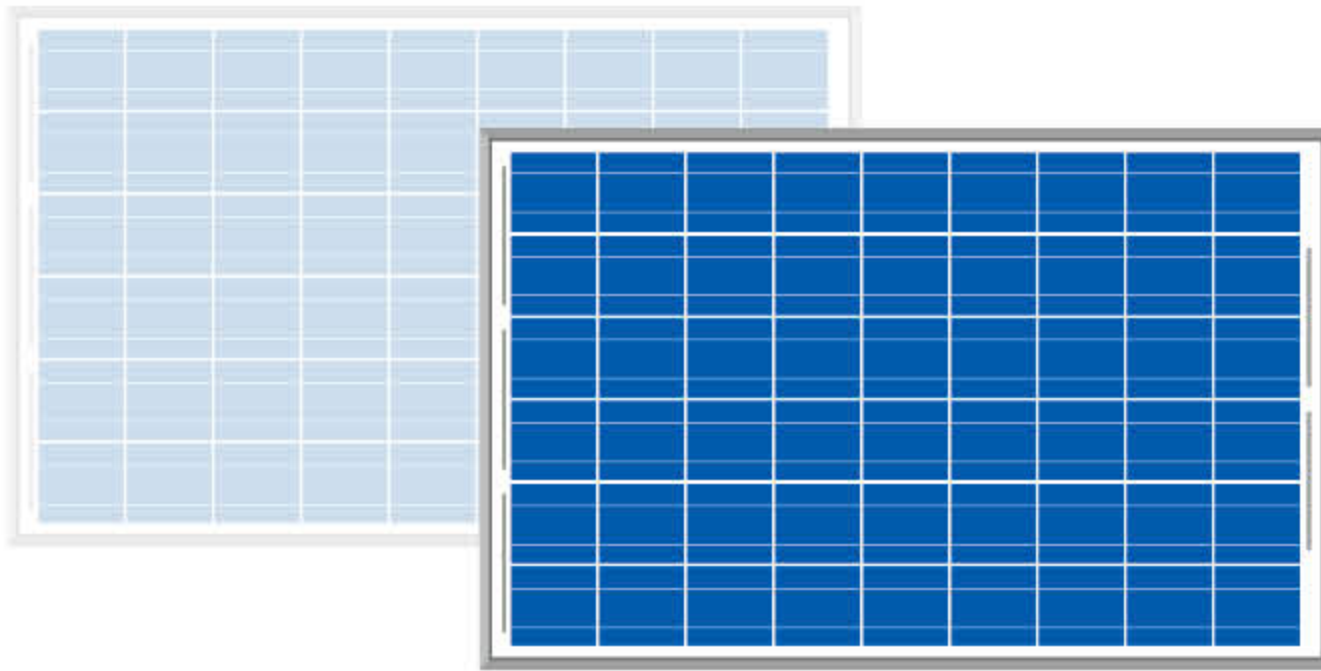




Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM220P-B-54 Photovoltaic modules 54pcs 156*156mm poly-crystalline silicon cell



| MODULE | | TDM220P-B-54 | | | | |
|----------------------------|----|------------------------|-------------|-------------|-------|-------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 54/9*6pcs | | | | |
| Maximum Power(Pmax) | W | 210 | 215 | 220 | 225 | 235 |
| Cell Efficiency | % | 16.2 | 16.4 | 16.8 | 17.2 | 18.0 |
| Module Efficiency | % | 14.31 | 14.65 | 14.99 | 15.33 | 16.02 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 33.6 | 33.7 | 33.8 | 33.8 | 34.2 |
| Short Circuit Current(Isc) | A | 8.33 | 8.34 | 8.35 | 8.53 | 8.81 |
| Maximum Power Voltage(Vmp) | V | 26.4 | 27.0 | 27.3 | 27.8 | 28.4 |
| Maximum power Current(Imp) | A | 7.95 | 7.98 | 8.06 | 8.09 | 8.27 |
| Max.syst.Open voltage | V | 1000 | | | | |
| Diodes | | 6by-pass | | | | |
| Dimension | mm | 1482*990*50 | | | | |
| Weight | kg | 17 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 50mm | | 252pcs/20GP | 540pcs/40GP | 630pcs/40HQ | | |
| 45mm | | 280pcs/20GP | 600pcs/40GP | 690pcs/40HQ | | |
| 40mm | | 308pcs/20GP | 660pcs/40GP | 780pcs/40HQ | | |

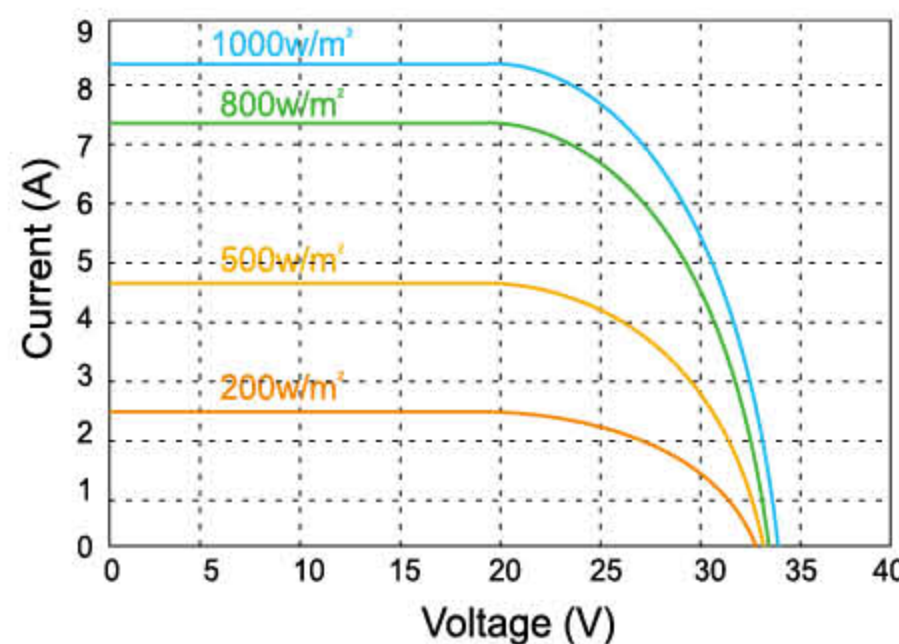
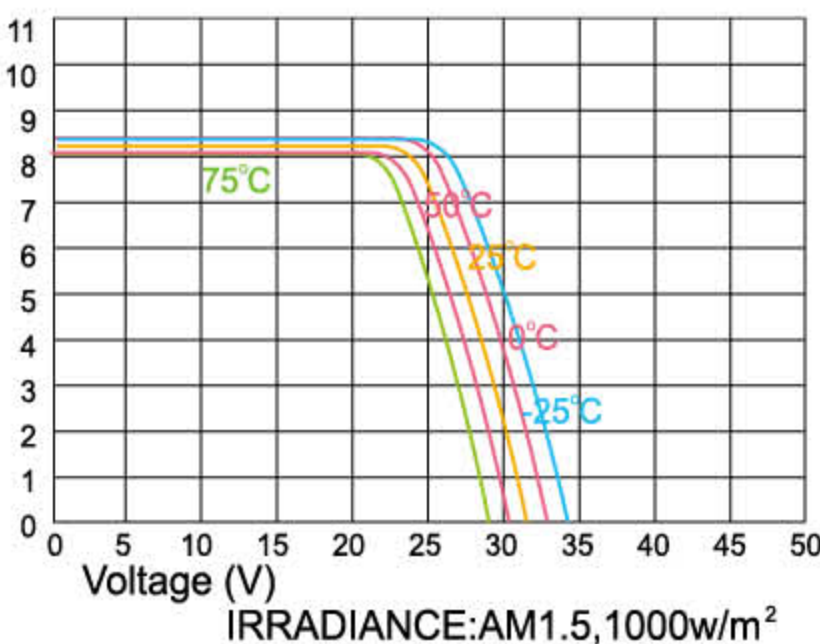
Temperature coefficients

| | | |
|---|---------|-----------|
| NOCT | | 46°C±2°C |
| short-circuit current temperature coefficient | α(Isc) | 0.08%/°C |
| open- circuit Voltage temperature coefficient | β(Voc) | -0.32%/°C |
| peak power temperature coefficient | γ(Pmax) | -0.38%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 54pcs 156*156mm poly-crystalline silicon cell

The TDM220P series modules consist of 54pcs 156*156mm poly-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

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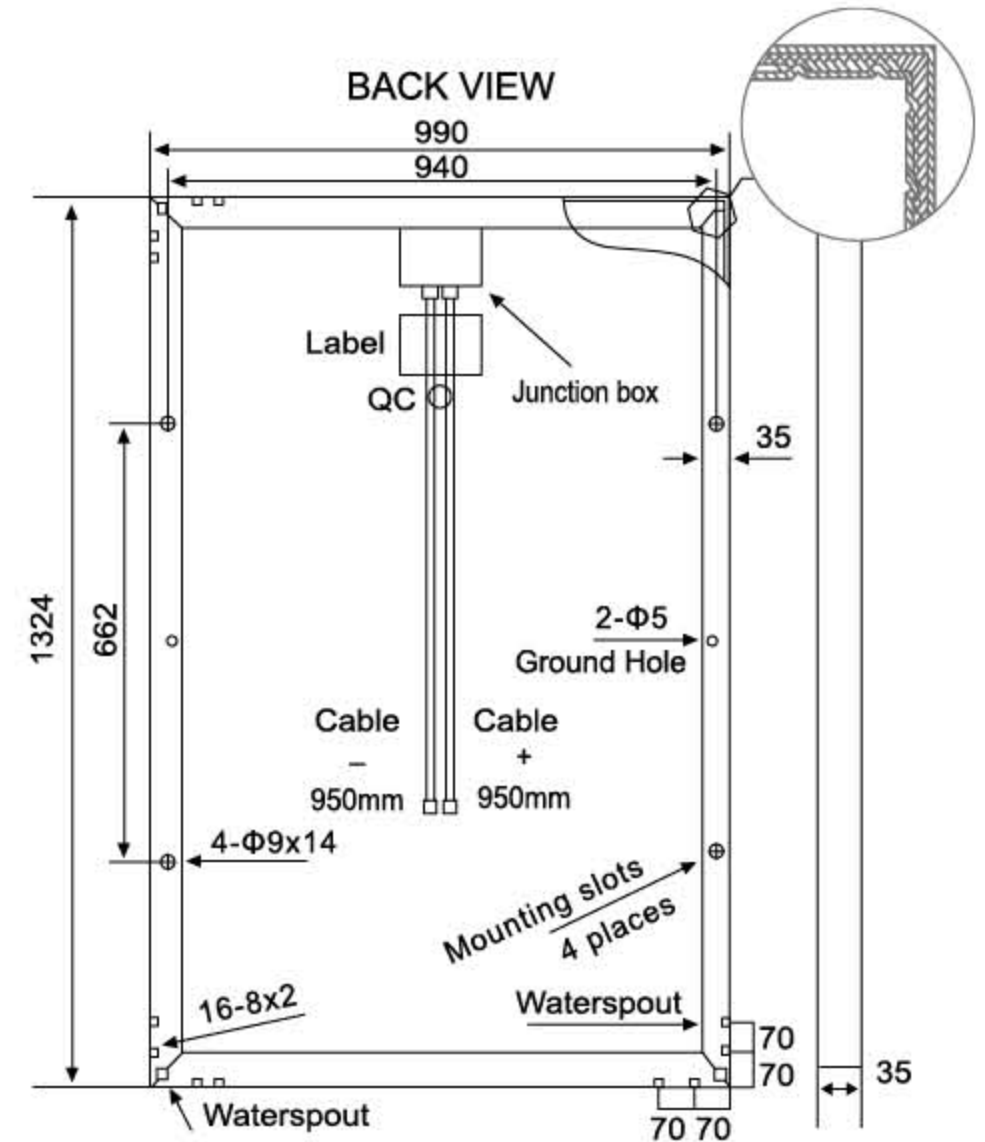
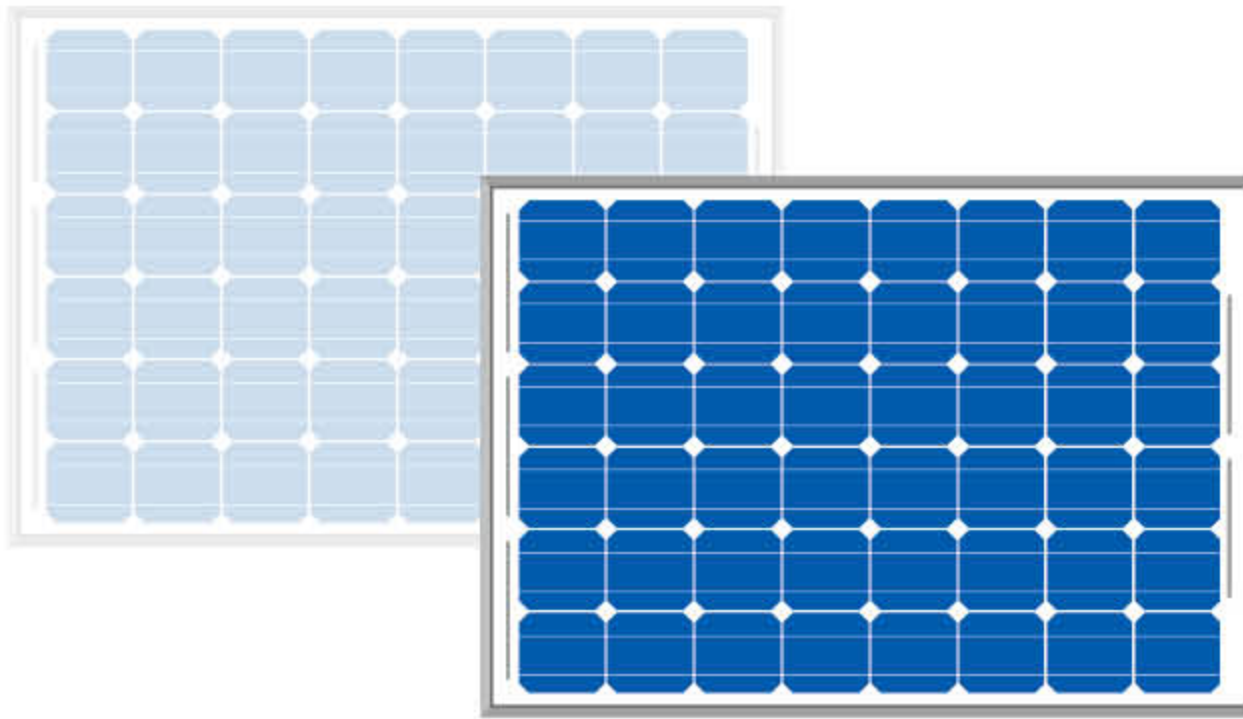


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM200-B-48

Photovoltaic modules
48pcs 156*156mm mono-crystalline silicon cell



| MODULE | | TDM200-B-48 | | | | |
|----------------------------|----|------------------------|-------------|-------------|-------|-------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 48/8*6pcs | | | | |
| Maximum Power(Pmax) | W | 190 | 195 | 200 | 205 | 210 |
| Cell Efficiency | % | 16.4 | 17.0 | 17.4 | 17.8 | 18.4 |
| Module Efficiency | % | 14.5 | 14.88 | 15.26 | 15.64 | 16.02 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 29.8 | 30.2 | 30.2 | 30.4 | 30.4 |
| Short Circuit Current(Isc) | A | 8.33 | 8.37 | 8.50 | 8.82 | 9.05 |
| Maximum Power Voltage(Vmp) | V | 23.9 | 24.3 | 24.8 | 24.8 | 25.2 |
| Maximum power Current(Imp) | A | 7.95 | 8.01 | 8.06 | 8.25 | 8.33 |
| Max.syst.Open voltage | V | 1000 | | | | |
| Diodes | | 6by-pass | | | | |
| Dimension | mm | 1324*990*50 | | | | |
| Weight | kg | 15 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 50mm | | 288pcs/20GP | 576pcs/40GP | 672pcs/40HQ | | |
| 45mm | | 320pcs/20GP | 640pcs/40GP | 736pcs/40HQ | | |
| 40mm | | 352pcs/20GP | 704pcs/40GP | 832pcs/40HQ | | |

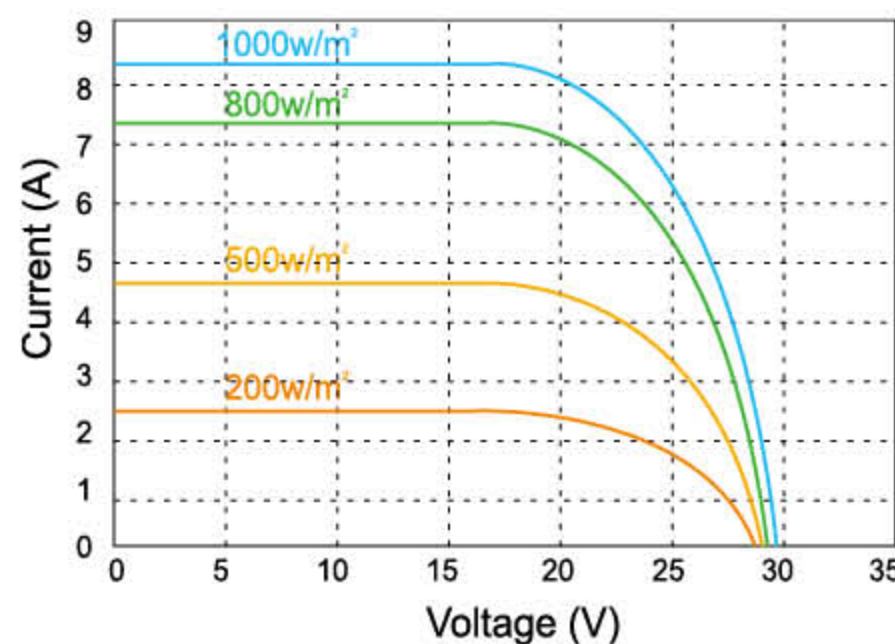
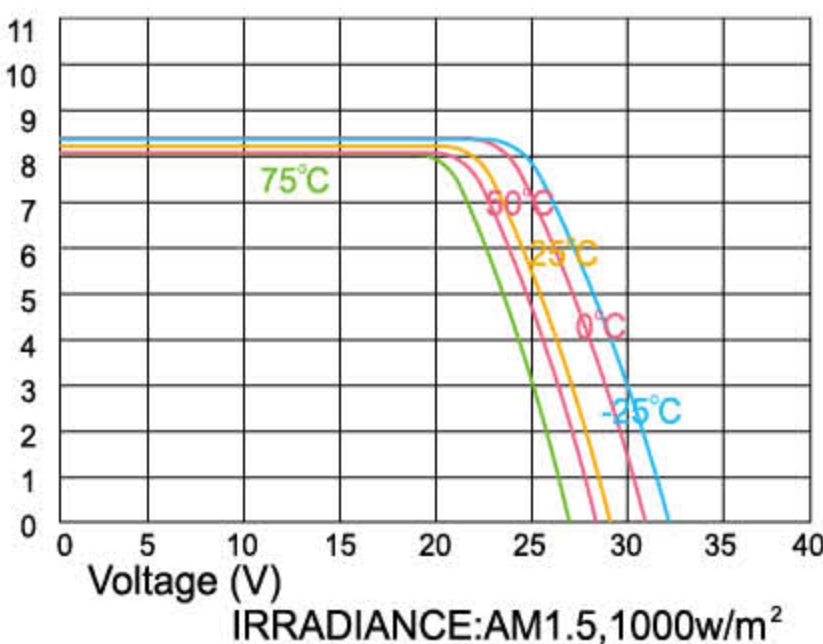
Temperature coefficients

| | | |
|---|---------|-----------|
| NOCT | | 45°C±2°C |
| short-circuit current temperature coefficient | α(Isc) | 0.09%/°C |
| open- circuit Voltage temperature coefficient | β(Voc) | -0.34%/°C |
| peak power temperature coefficient | γ(Pmax) | -0.37%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 48pcs 156*156mm mono-crystalline silicon cell

The TDM200 series modules consist of 48pcs 156*156mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

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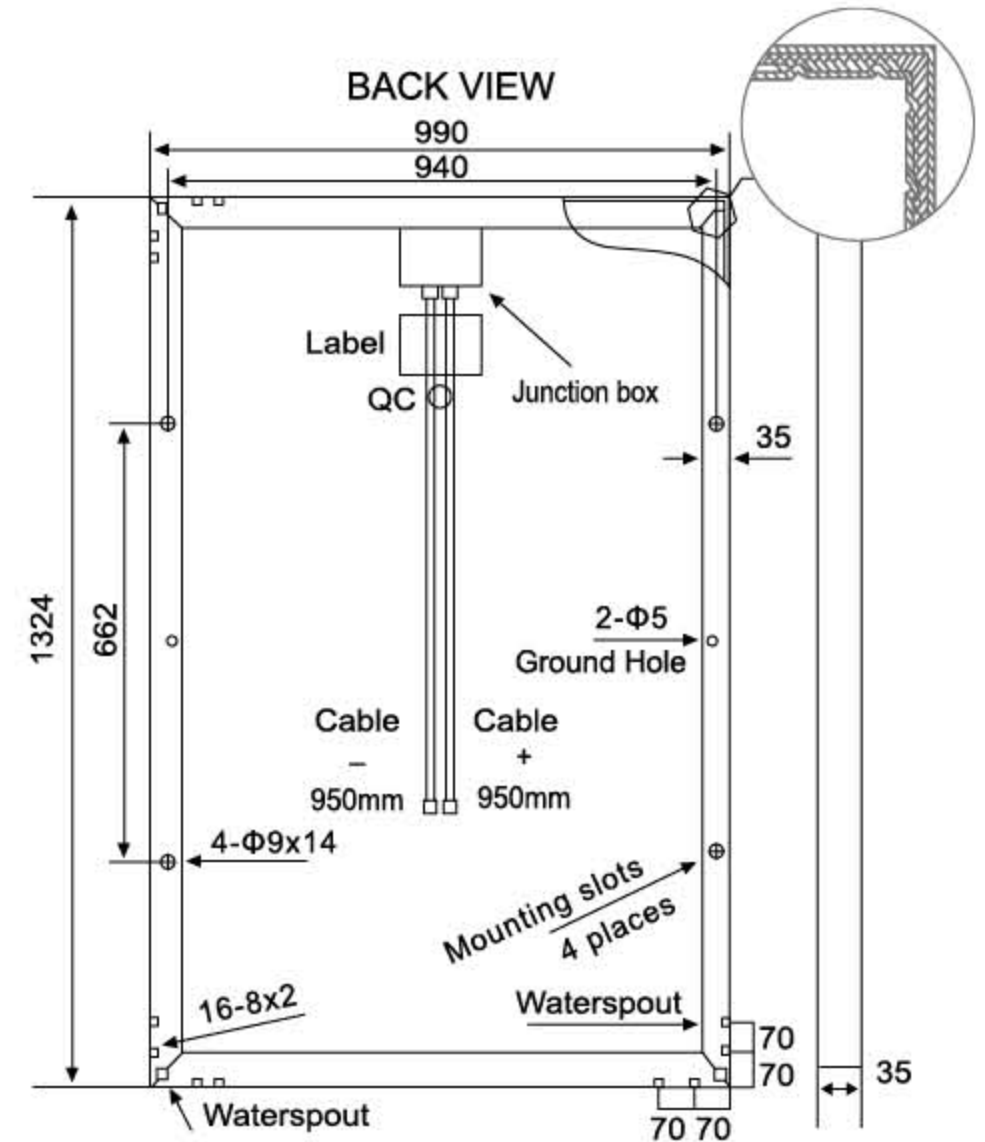
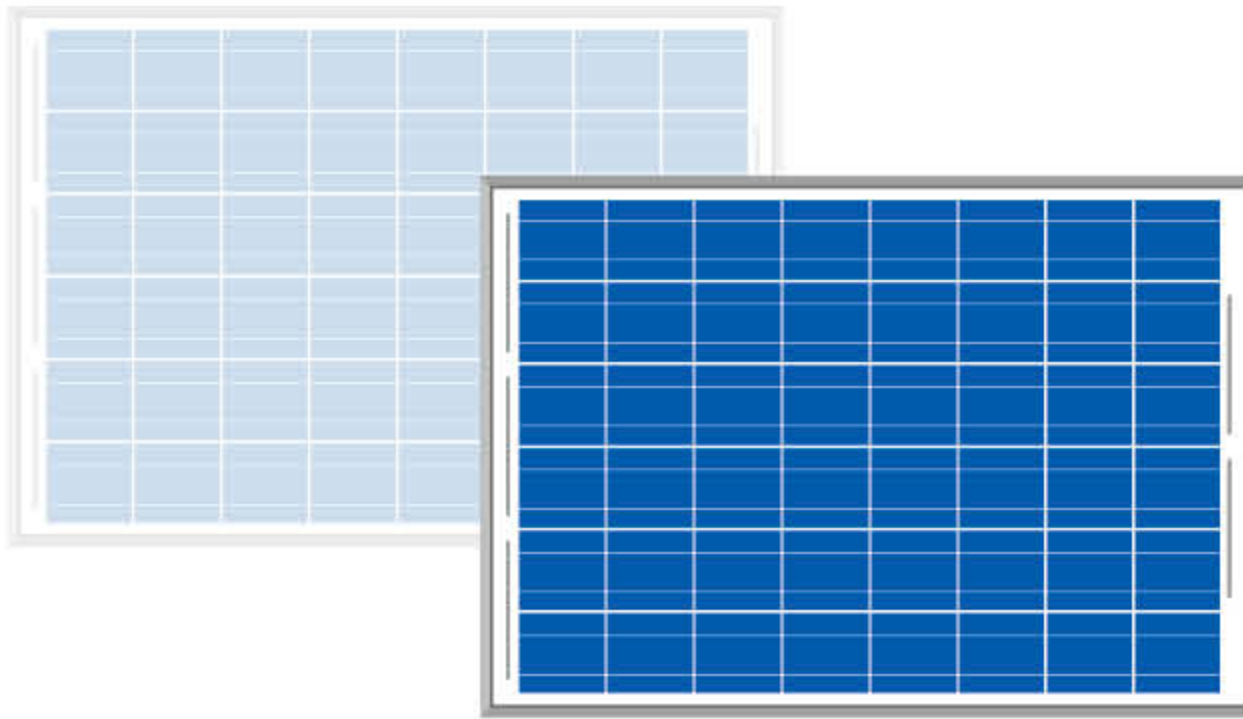




Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM195P-B-48 Photovoltaic modules 48pcs 156*156mm poly-crystalline silicon cell



| MODULE | | TDM195P-B-48 | | | | |
|----------------------------|----|------------------------|-------------|-------------|-------|-------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 48/8*6pcs | | | | |
| Maximum Power(Pmax) | W | 185 | 190 | 195 | 200 | 210 |
| Cell Efficiency | % | 16.0 | 16.4 | 16.8 | 17.2 | 18 |
| Module Efficiency | % | 14.88 | 14.50 | 14.87 | 15.26 | 16.02 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 29.7 | 29.7 | 30.2 | 30.2 | 30.4 |
| Short Circuit Current(Isc) | A | 8.33 | 8.34 | 8.37 | 8.5 | 8.85 |
| Maximum Power Voltage(Vmp) | V | 23.2 | 23.8 | 24.3 | 24.8 | 25.2 |
| Maximum power Current(Imp) | A | 7.96 | 7.98 | 8.01 | 8.06 | 8.33 |
| Max.syst.Open voltage | V | 1000 | | | | |
| Diodes | | 6by-pass | | | | |
| Dimension | mm | 1324*990*50 | | | | |
| Weight | kg | 15 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 50mm | | 288pcs/20GP | 576pcs/40GP | 672pcs/40HQ | | |
| 45mm | | 320pcs/20GP | 640pcs/40GP | 736pcs/40HQ | | |
| 40mm | | 352pcs/20GP | 704pcs/40GP | 832pcs/40HQ | | |

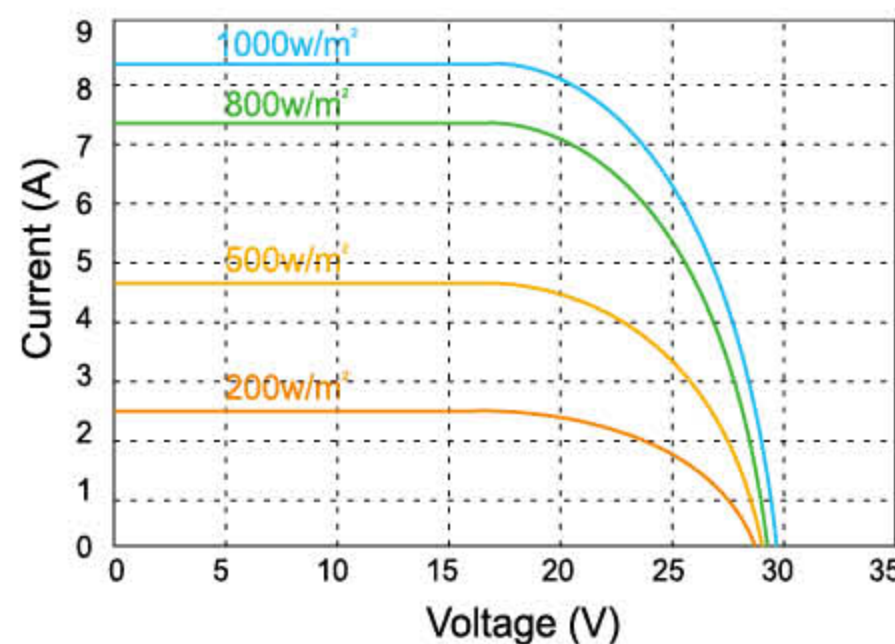
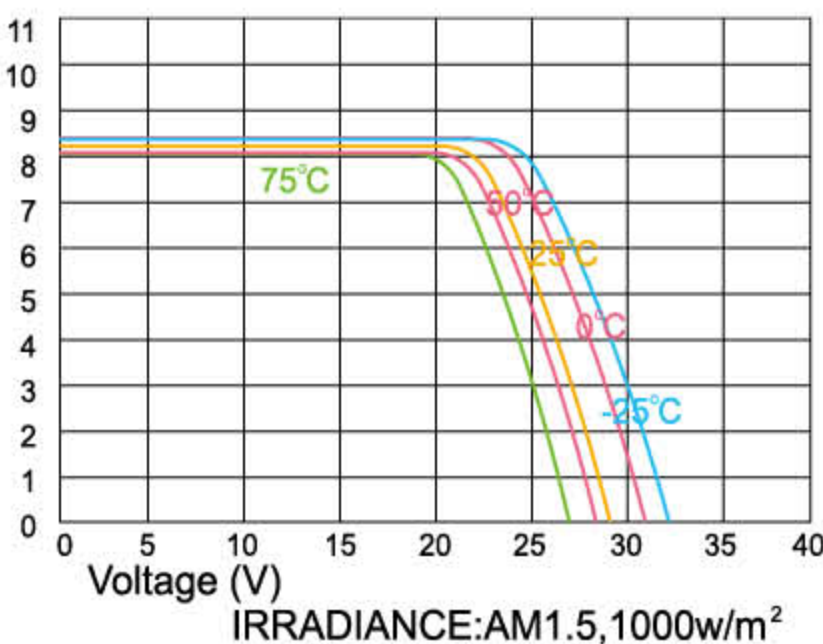
Temperature coefficients

| | | |
|---|---------|-----------|
| NOCT | | 46°C±2°C |
| short-circuit current temperature coefficient | α(Isc) | 0.08%/°C |
| open- circuit Voltage temperature coefficient | β(Voc) | -0.32%/°C |
| peak power temperature coefficient | γ(Pmax) | -0.38%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 48pcs 156*156mm poly-crystalline silicon cell

The TDM195P series modules consist of 48pcs 156*156mm poly-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

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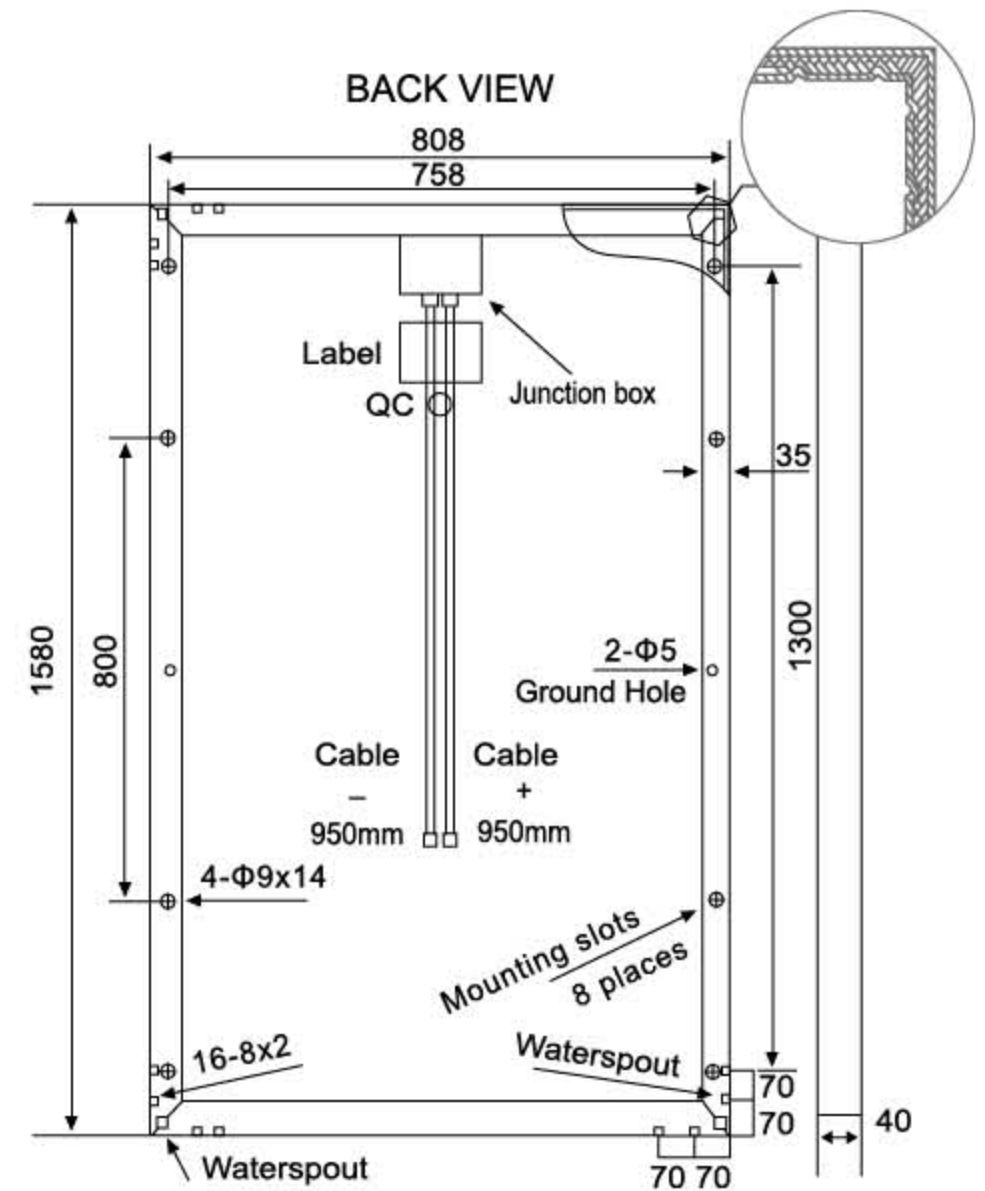
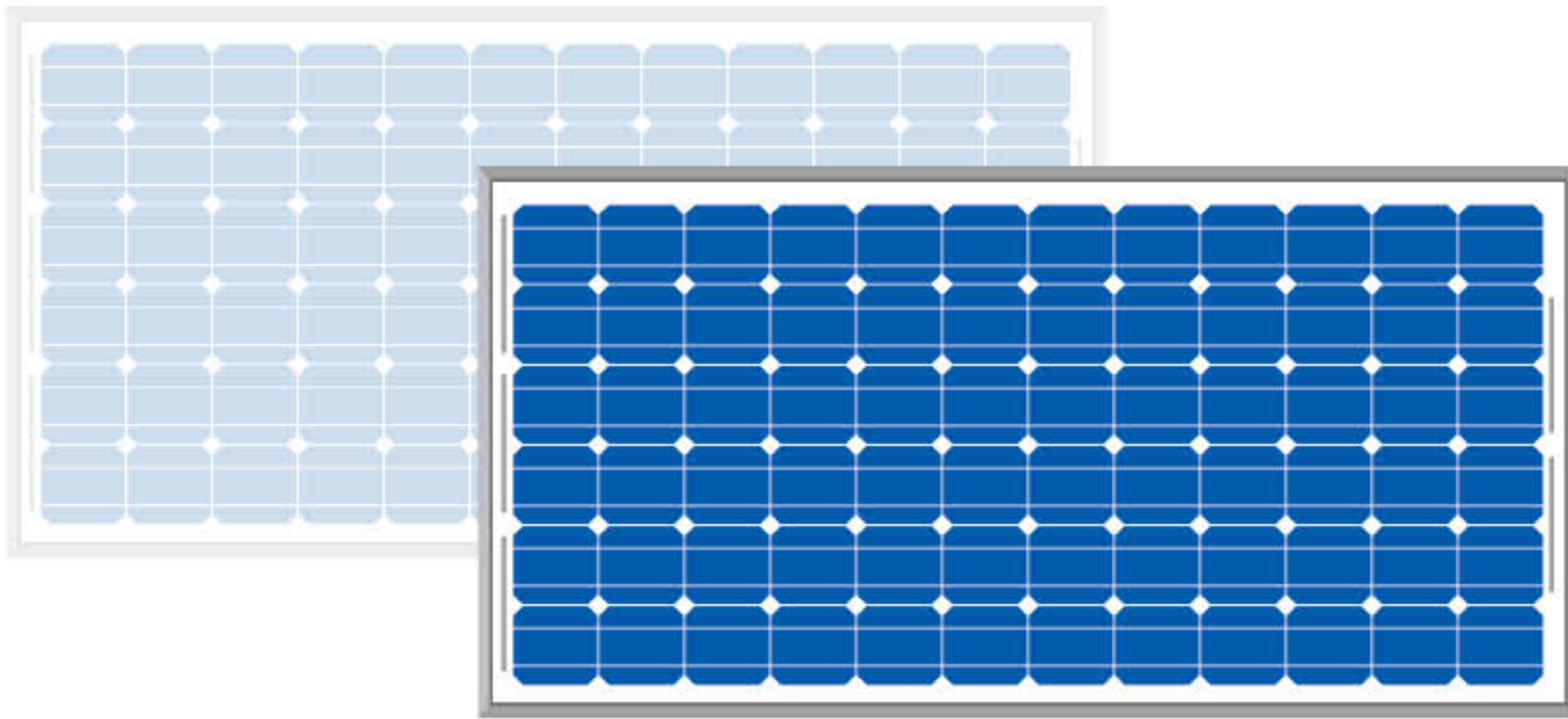


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM200-A-72

Photovoltaic modules
72pcs 125*125mm mono-crystalline silicon cell



| MODULE | | TDM200-A-72 | | |
|----------------------------|----|------------------------|-------------|-------------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | |
| Size and Number of cells | | 125mm*125mm 72/12*6pcs | | |
| Maximum Power(Pmax) | W | 195 | 200 | 205 |
| Cell Efficiency | % | 17.4 | 18.0 | 18.4 |
| Module Efficiency | % | 15.27 | 15.67 | 16.06 |
| Tolerance | % | ±3 | | |
| Open Circuit Voltage(Voc) | V | 45.6 | 45.6 | 45.8 |
| Short Circuit Current(Isc) | A | 5.68 | 5.81 | 5.87 |
| Maximum Power Voltage(Vmp) | V | 37.2 | 37.4 | 37.6 |
| Maximum power Current(Imp) | A | 5.24 | 5.35 | 5.46 |
| Max.syst.Open voltage | V | 1000 | | |
| Diodes | | 6by-pass | | |
| Dimension | mm | 1580*808*40 | | |
| Weight | kg | 16 | | |
| Operate Temp Scope | °C | -40~+85 | | |
| Relative humidity | % | 0~100% | | |
| Frame Thickness | | Quantity/Container | | |
| 40mm | | 300pcs/20GP | 700pcs/40GP | 700pcs/40HQ |
| 35mm | | 336pcs/20GP | 784pcs/40GP | 784pcs/40HQ |

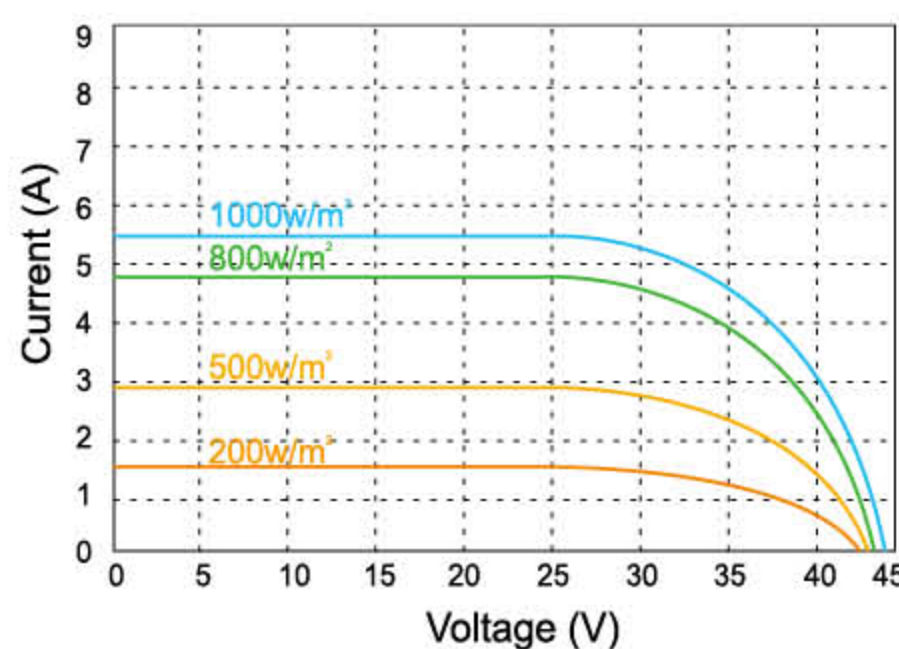
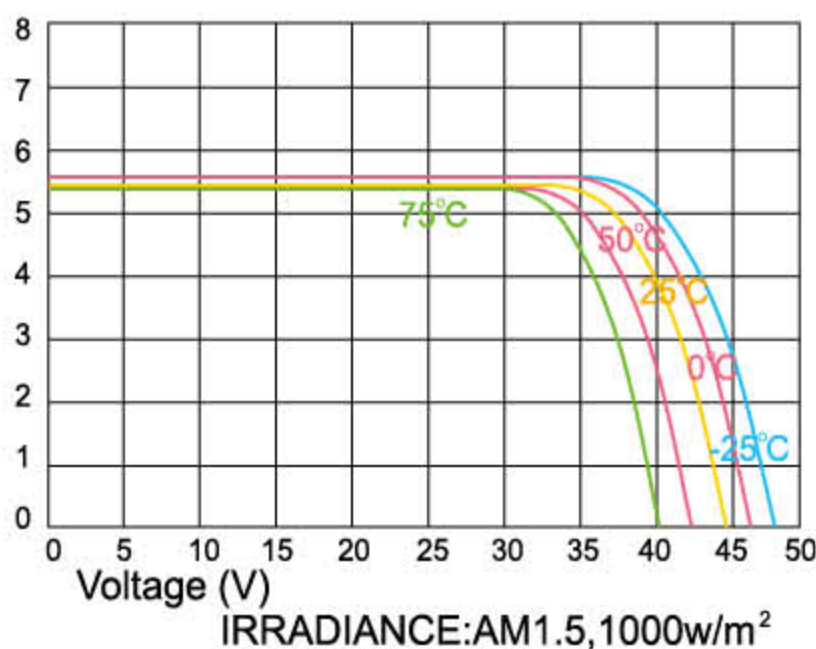
Temperature coefficients

| | | |
|---|-------------------|-----------|
| NOCT | | 45°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.10%/°C |
| open-circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.38%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.47%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 72pcs 125*125mm mono-crystalline silicon cell

The TDM200 series modules consist of 72pcs 125*125mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, ect.

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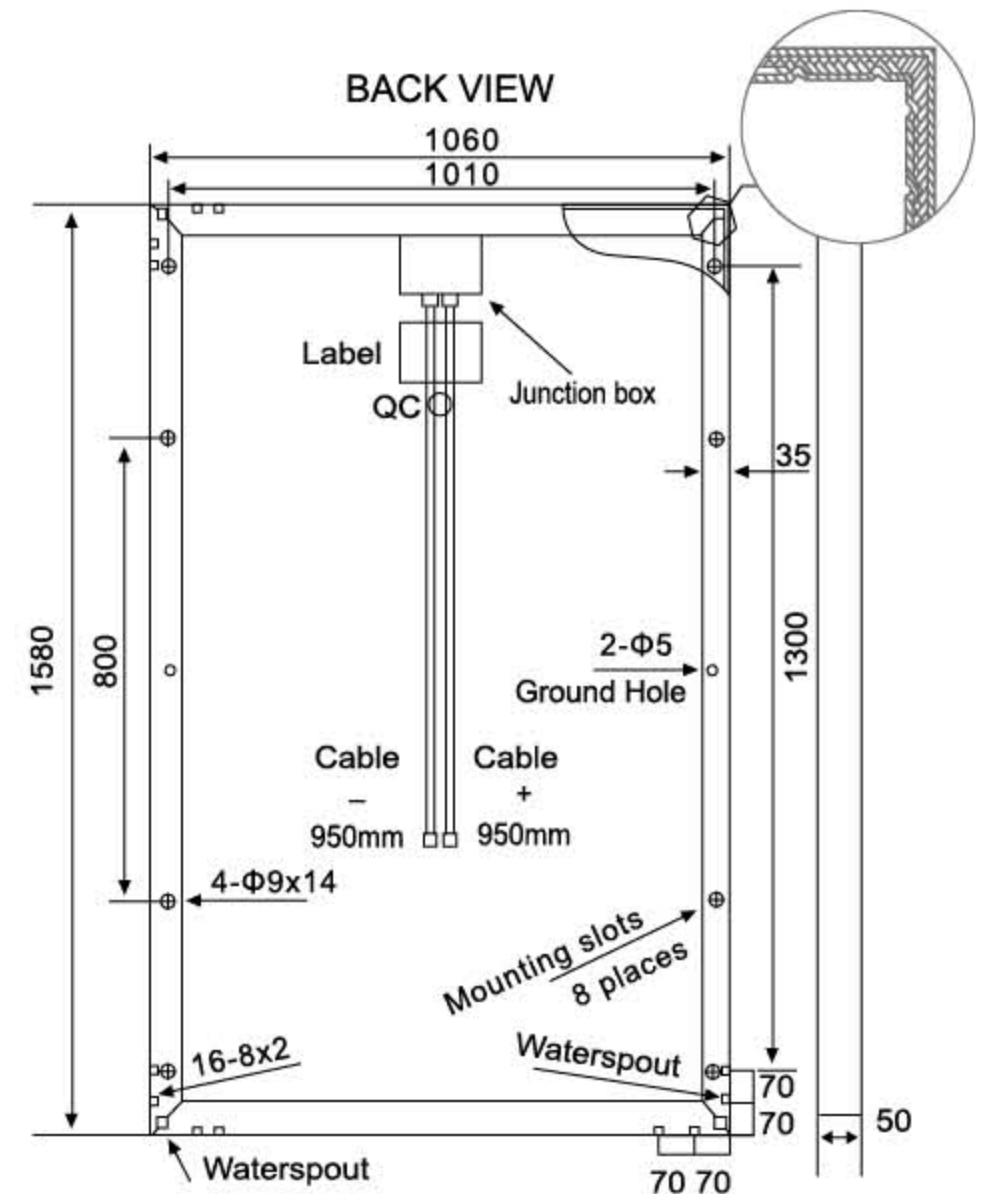
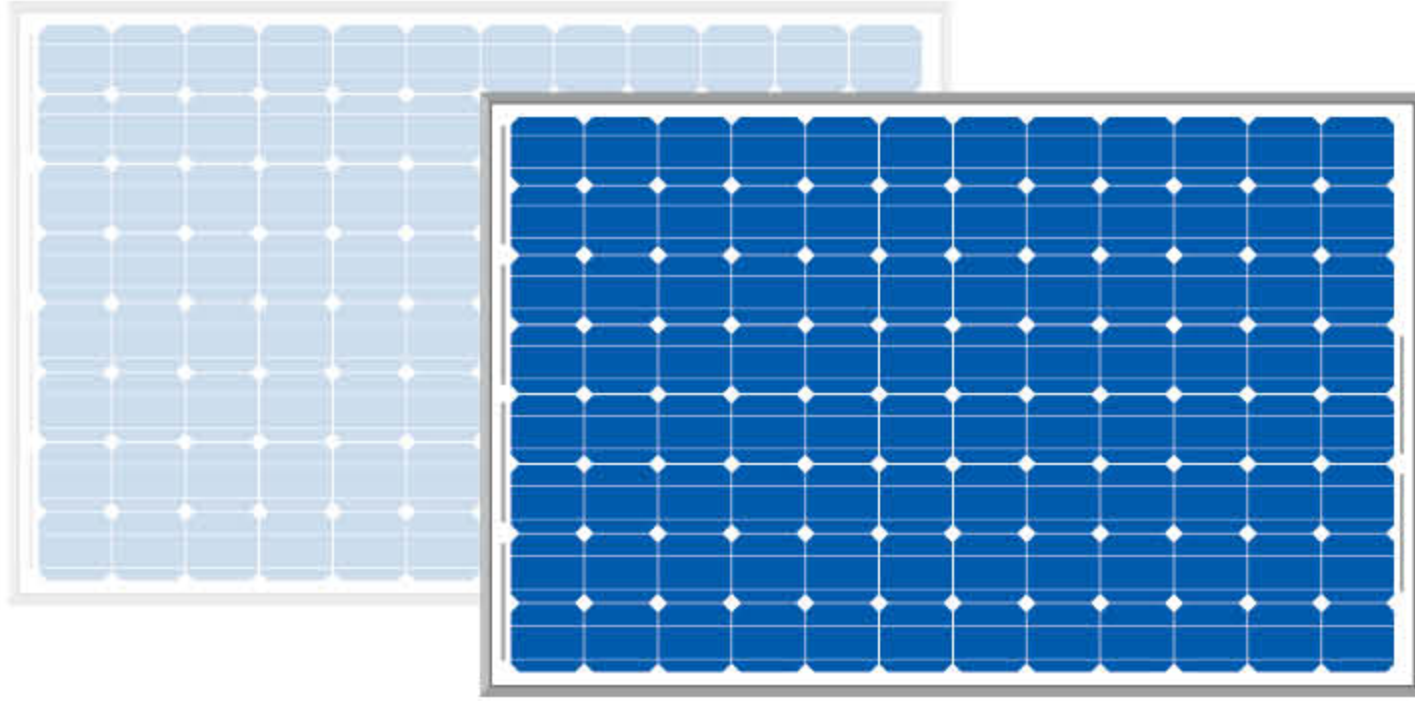


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM270-A-96

Photovoltaic modules
96pcs 125*125mm mono-crystalline silicon cell



| MODULE | | TDM270-A-96 | | | | |
|----------------------------|----|------------------------|-------------|-------------|-------|-------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 125mm*125mm 96/12*8pcs | | | | |
| Maximum Power(Pmax) | W | 255 | 260 | 265 | 270 | 275 |
| Cell Efficiency | % | 17.2 | 17.6 | 18.0 | 18.2 | 18.6 |
| Module Efficiency | % | 15.23 | 15.52 | 15.82 | 16.12 | 16.42 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 60.7 | 61.6 | 62.2 | 62.6 | 62.8 |
| Short Circuit Current(Isc) | A | 5.60 | 5.63 | 5.68 | 5.82 | 5.84 |
| Maximum Power Voltage(Vmp) | V | 48.3 | 49.2 | 49.8 | 50.2 | 50.6 |
| Maximum power Current(Imp) | A | 5.28 | 5.29 | 5.32 | 5.38 | 5.44 |
| Max.syst.Open voltage | V | 1000 | | | | |
| Diodes | | 4by-pass | | | | |
| Dimension | mm | 1580*1060*50 | | | | |
| Weight | kg | 21 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 50mm | | 216pcs/20GP | 504pcs/40GP | 588pcs/40HQ | | |
| 45mm | | 240pcs/20GP | 560pcs/40GP | 644pcs/40HQ | | |

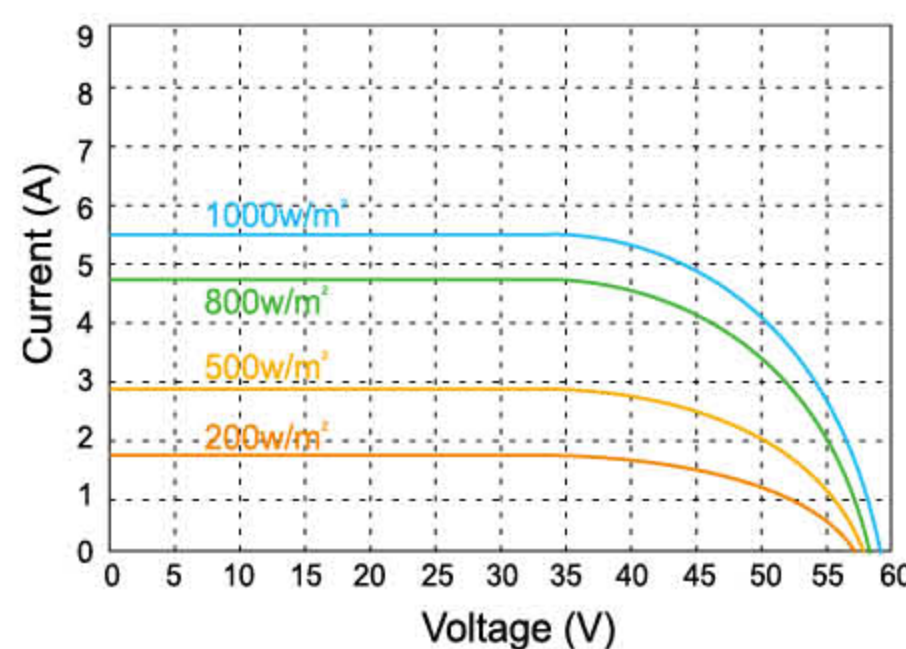
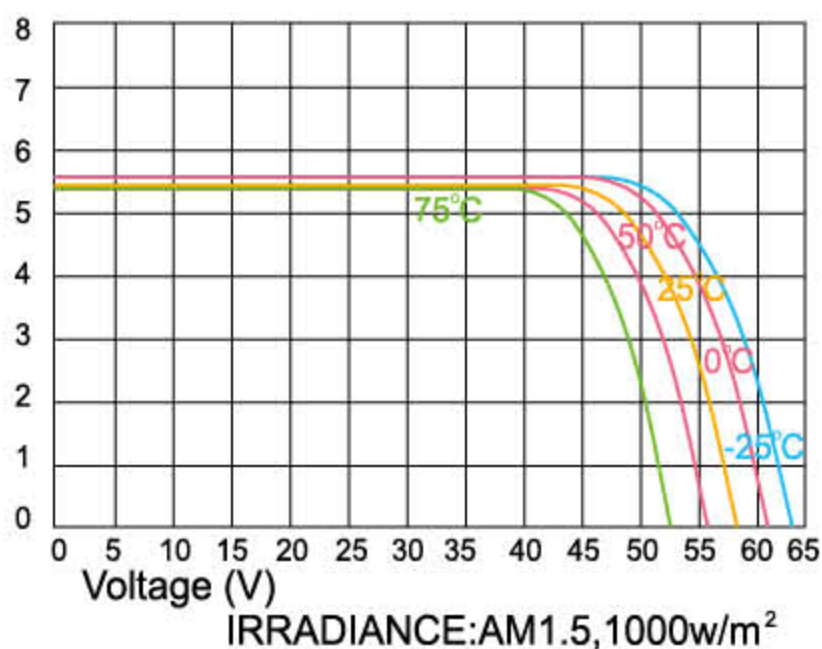
Temperature coefficients

| | | |
|---|-------------------|-----------|
| NOCT | | 45°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.09%/°C |
| open- circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.34%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.37%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 96pcs 125*125mm mono-crystalline silicon cell

The TDM270 series modules consist of 96pcs 125*125mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

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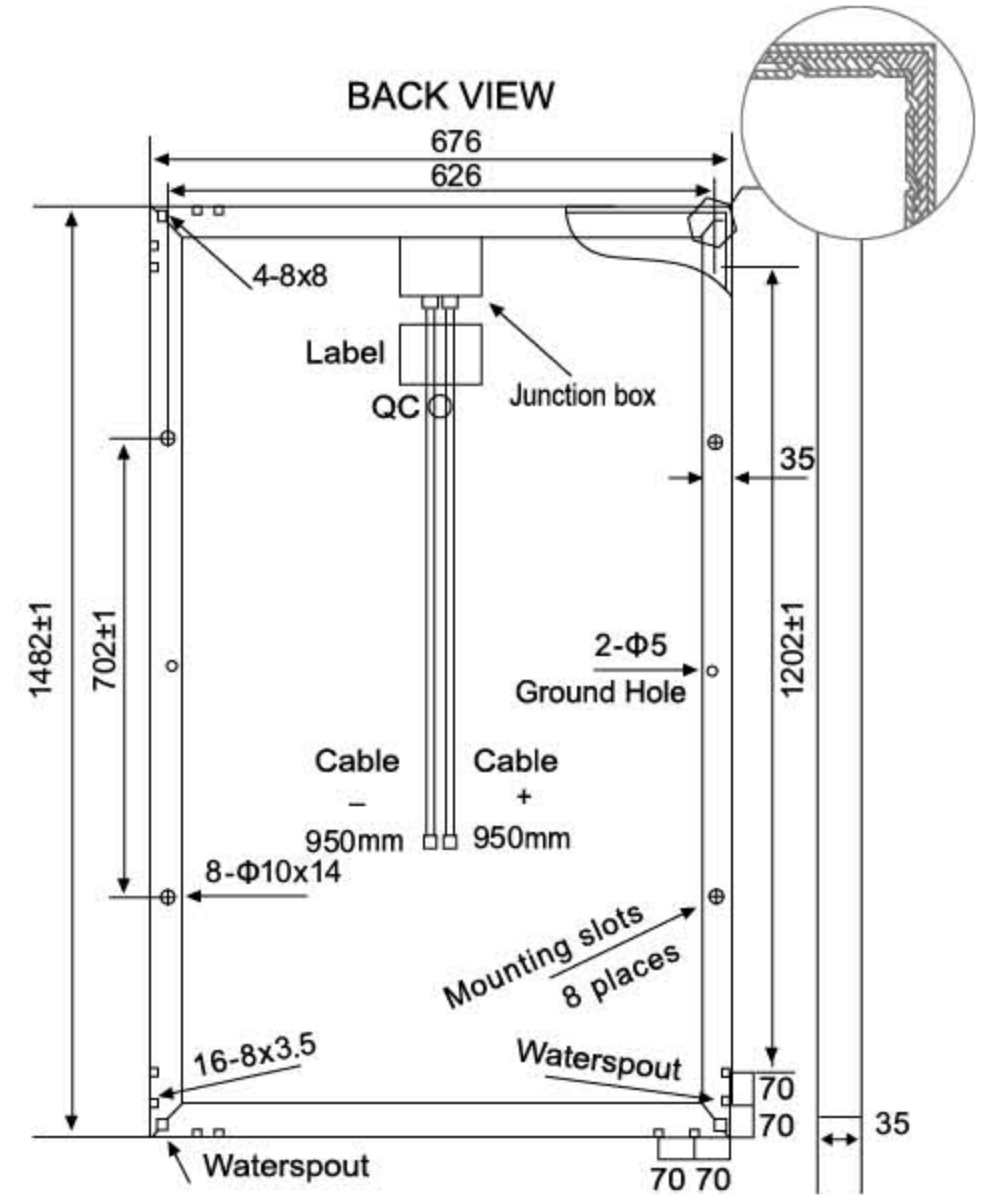
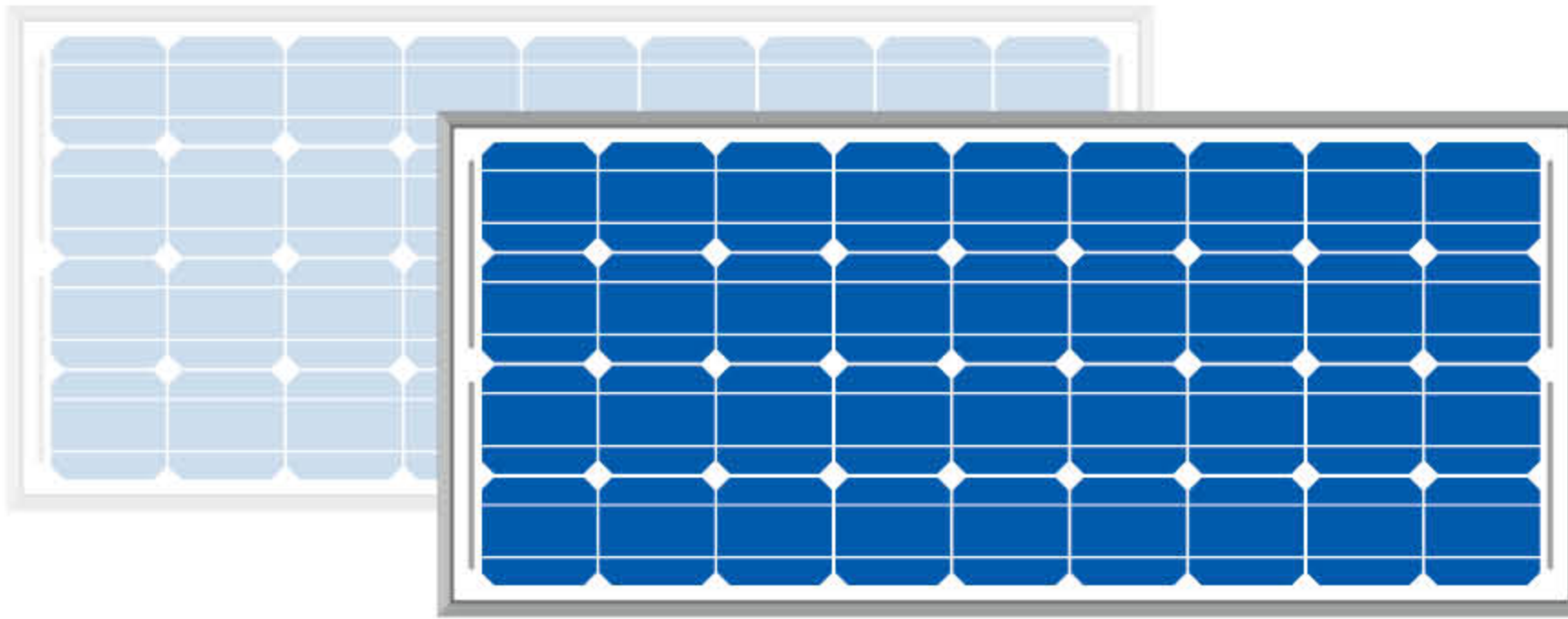


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM150-B-36

Photovoltaic modules
36pcs 156*156mm mono-crystalline silicon cell



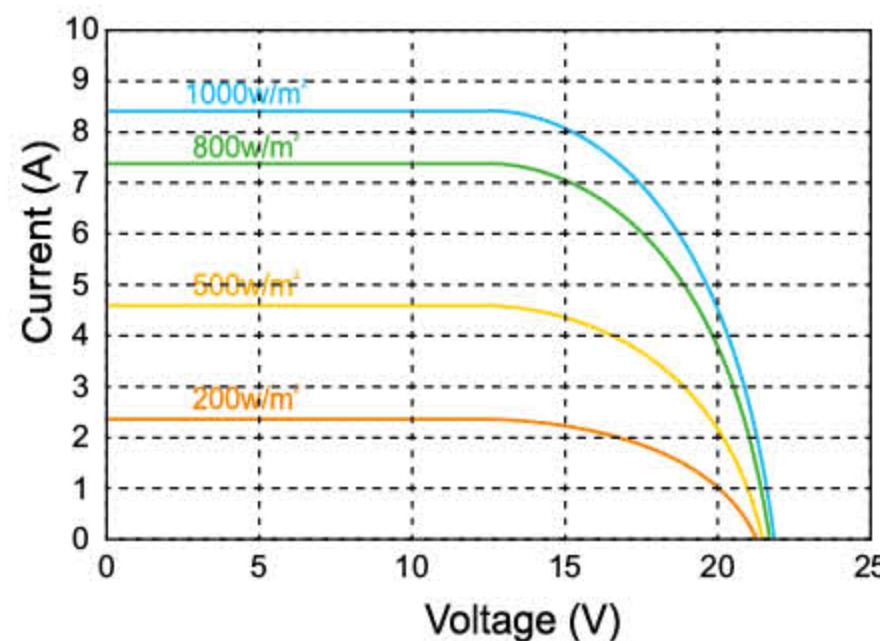
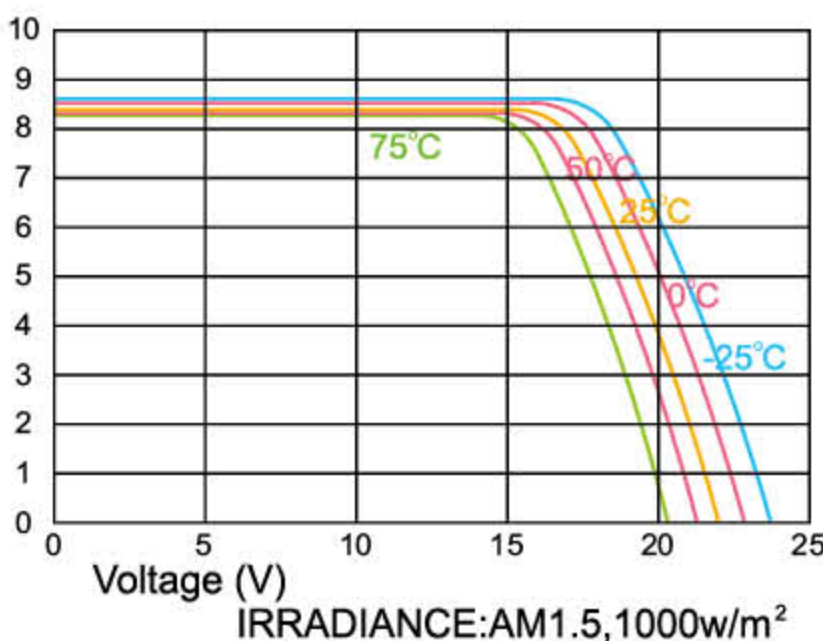
| MODULE | | TDM150-B-36 | | | | |
|----------------------------|----|------------------------|----------|----------|-------|------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 36/9*4pcs | | | | |
| Maximum Power(Pmax) | W | 140 | 145 | 150 | 155 | 160 |
| Cell Efficiency | % | 16.2 | 16.8 | 17.4 | 18.0 | 18.6 |
| Module Efficiency | % | 13.97 | 14.47 | 14.97 | 15.47 | 16.0 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 22.4 | 22.6 | 22.8 | 22.8 | 23.2 |
| Short Circuit Current(Isc) | A | 8.33 | 8.43 | 8.52 | 8.71 | 8.95 |
| Maximum Power Voltage(Vmp) | V | 17.6 | 18.0 | 18.4 | 18.8 | 19.2 |
| Maximum power Current(Imp) | A | 7.95 | 8.06 | 8.15 | 8.25 | 8.34 |
| Max.syst.Open voltage | V | 600 | | | | |
| Diodes | | 2by-pass | | | | |
| Dimension | mm | 1482*676*35 | | | | |
| Weight | kg | 12 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 35mm | | 392pcs/20GP | 840/40GP | 840/40HQ | | |

Temperature coefficients

| | | |
|--|-------------------|-----------|
| NOCT | | 46°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.08%/°C |
| open-circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.32%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.38%/°C |
| NOCT : Nominal Operating Cell Temperature data is only for reference | | |

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 36pcs 156*156mm mono-crystalline silicon cell

The TDM150 series modules consist of 36pcs 156*156mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, ect.

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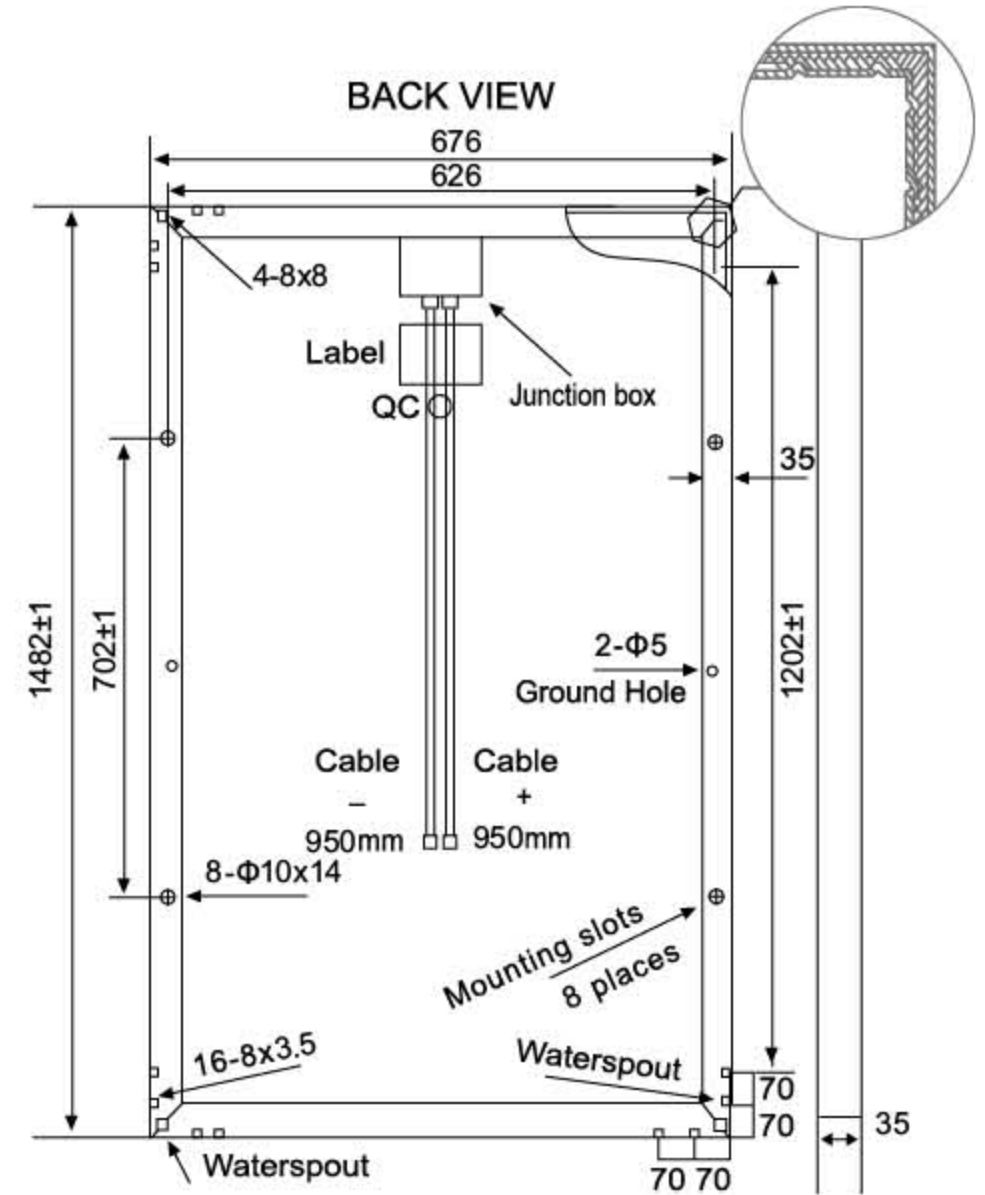
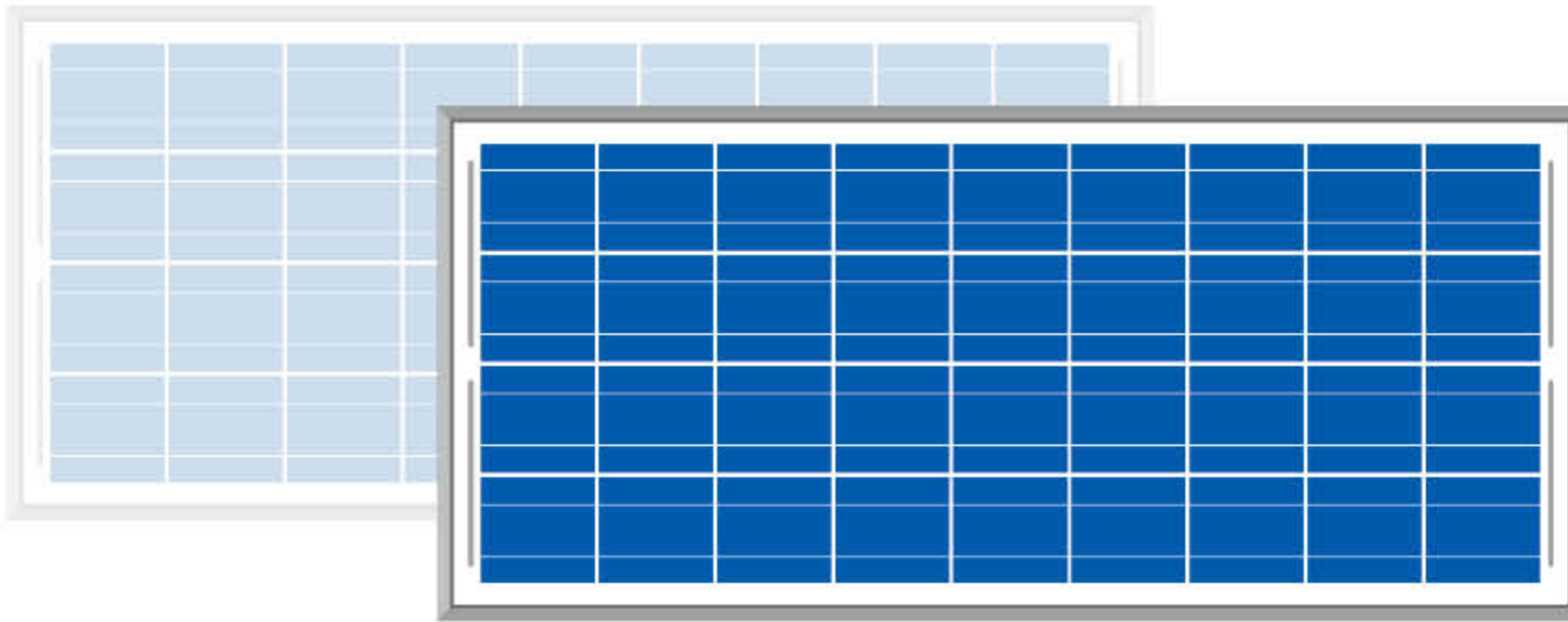




Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM145P-B-36 Photovoltaic modules 36pcs 156*156mm poly-crystalline silicon cell



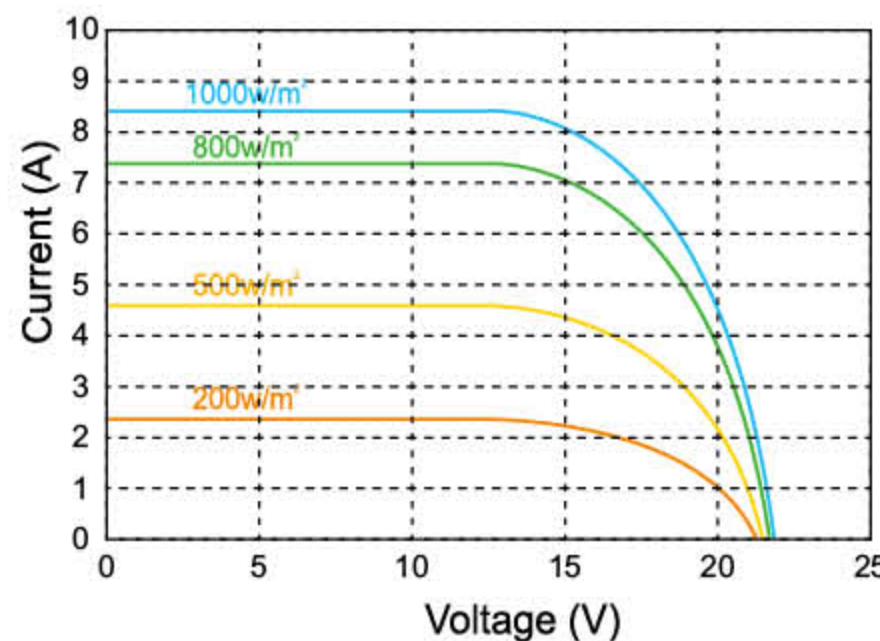
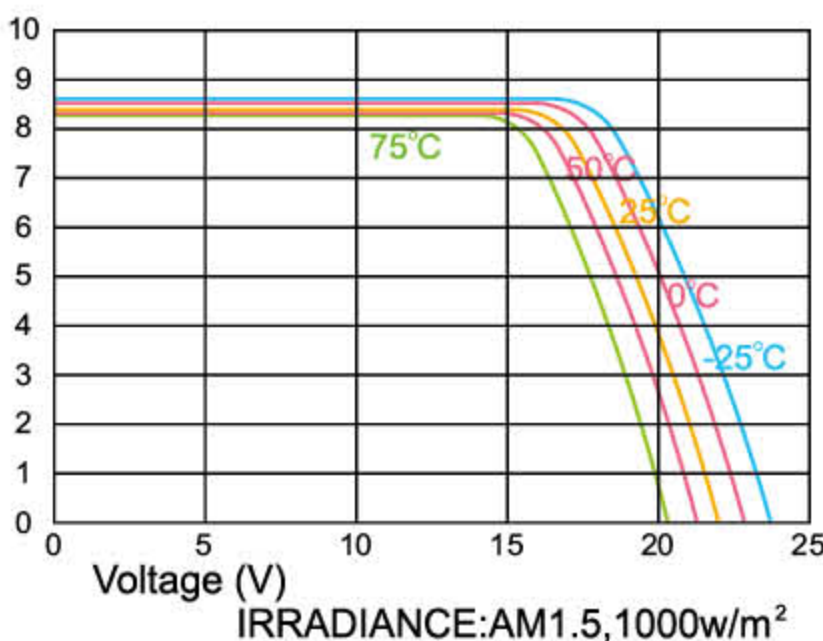
| MODULE | | TDM145P-B-36 | | | | |
|----------------------------|----|------------------------|----------|----------|-------|------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | | | |
| Size and Number of cells | | 156mm*156mm 36/9*4pcs | | | | |
| Maximum Power(Pmax) | W | 135 | 140 | 145 | 150 | 160 |
| Cell Efficiency | % | 15.4 | 16.0 | 16.6 | 17.2 | 18.4 |
| Module Efficiency | % | 13.48 | 13.97 | 14.47 | 14.97 | 16.0 |
| Tolerance | % | ±3 | | | | |
| Open Circuit Voltage(Voc) | V | 22.3 | 22.4 | 22.8 | 23.2 | 23.4 |
| Short Circuit Current(Isc) | A | 8.20 | 8.33 | 8.48 | 8.62 | 8.88 |
| Maximum Power Voltage(Vmp) | V | 17.5 | 17.6 | 17.8 | 18.0 | 18.6 |
| Maximum power Current(Imp) | A | 7.71 | 7.95 | 8.15 | 8.33 | 8.60 |
| Max.syst.Open voltage | V | 600 | | | | |
| Diodes | | 2by-pass | | | | |
| Dimension | mm | 1482*676*35 | | | | |
| Weight | kg | 12 | | | | |
| Operate Temp Scope | °C | -40~+85 | | | | |
| Relative humidity | % | 0~100% | | | | |
| Frame Thickness | | Quantity/Container | | | | |
| 35mm | | 392pcs/20GP | 840/40GP | 840/40HQ | | |

Temperature coefficients

| | | |
|--|-------------------|-----------|
| NOCT | | 46°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.08%/°C |
| open-circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.32%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.38%/°C |
| NOCT : Nominal Operating Cell Temperature data is only for reference | | |

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 36pcs 156*156mm poly-crystalline silicon cell

The TDM145P series modules consist of 36pcs 156*156mm poly-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, etc.

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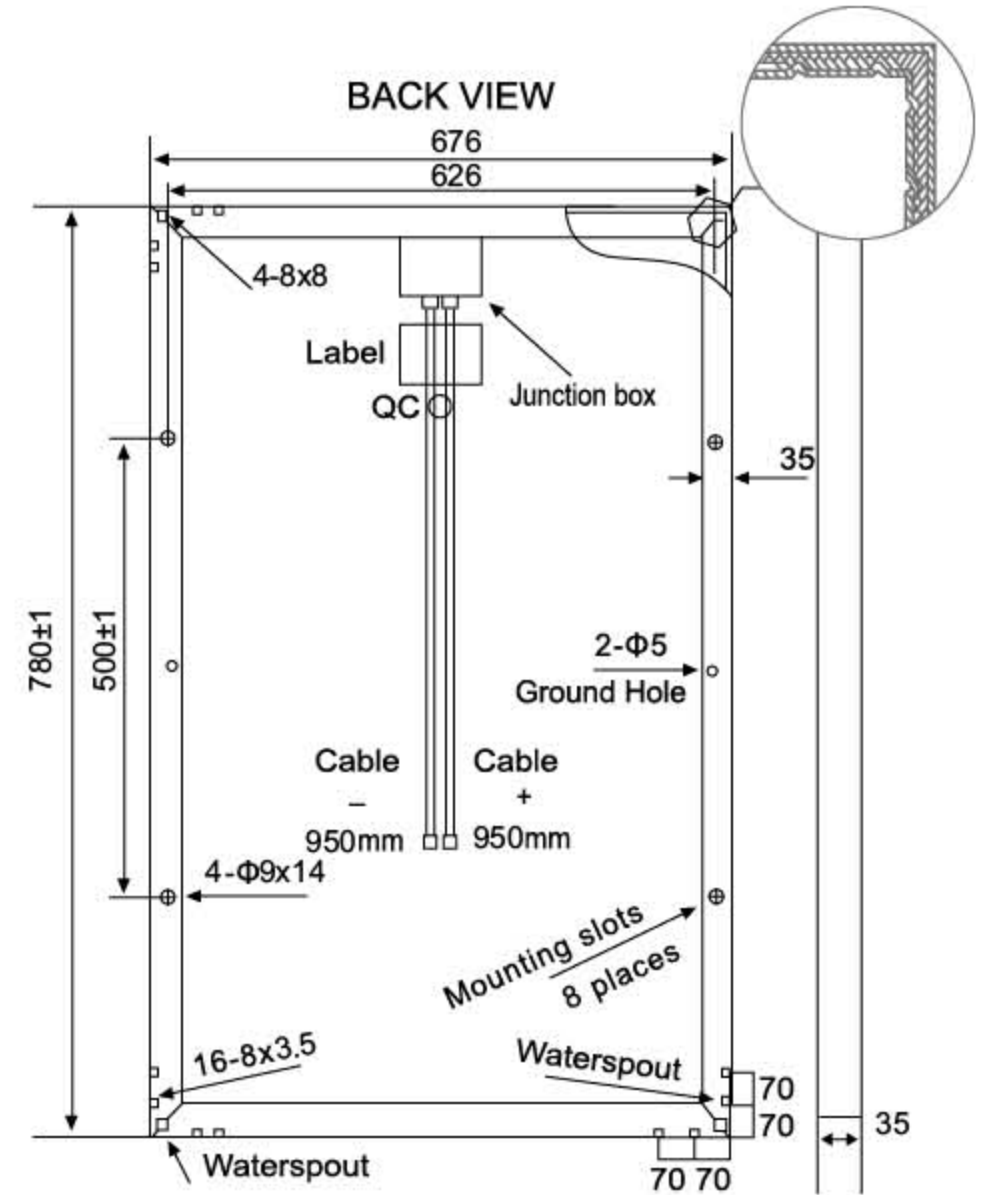
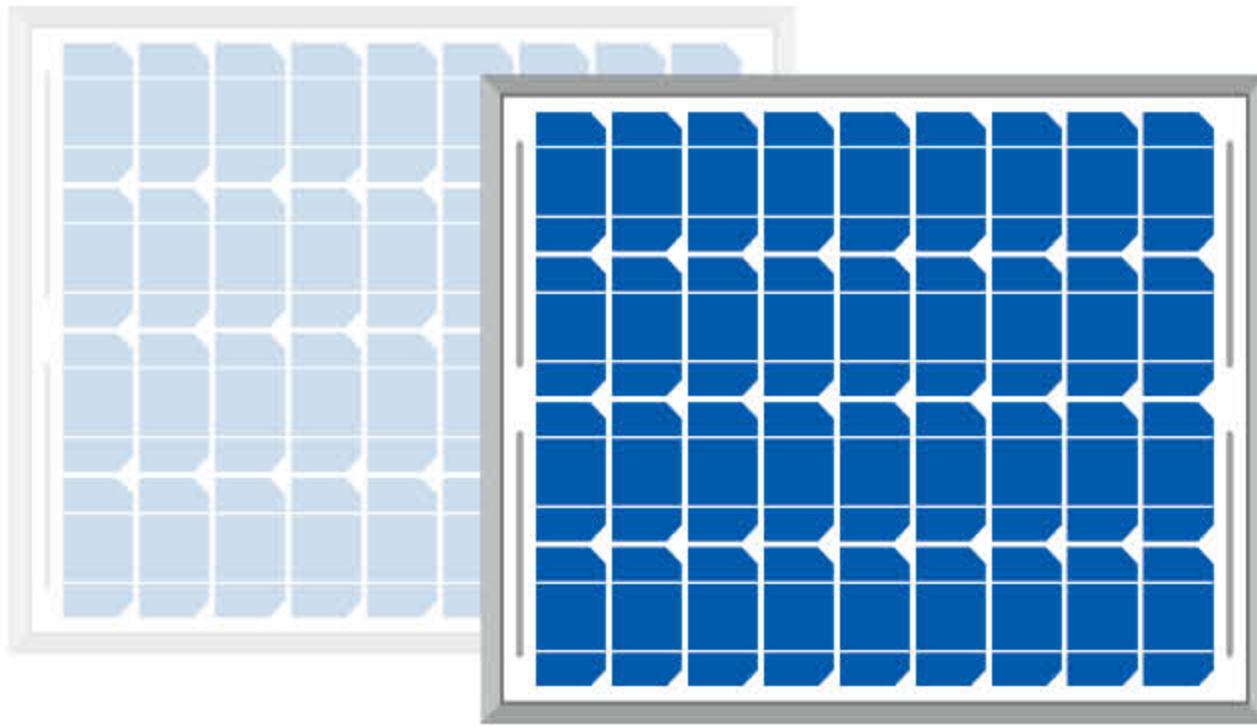


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM75-B-D36

Photovoltaic modules
36pcs 78*156mm mono-crystalline silicon cell



Photovoltaic modules 36pcs 78*156mm mono-crystalline silicon cell

The TDM75 series modules consist of 36pcs 78*156mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, ect.

| MODULE | | TDM75-B-D36 | |
|----------------------------|----|------------------------|---------------------------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | |
| Size and Number of cells | | 78mm*156mm 36/9*4pcs | |
| Maximum Power(Pmax) | W | 75 | |
| Cell Efficiency | % | 17.4 | |
| Module Efficiency | % | 14.22 | |
| Tolerance | % | ±3 | |
| Open Circuit Voltage(Voc) | V | 22.4 | |
| Short Circuit Current(Isc) | A | 4.38 | |
| Maximum Power Voltage(Vmp) | V | 17.8 | |
| Maximum power Current(Imp) | A | 4.21 | |
| Max.syst.Open voltage | V | 600 | |
| Diodes | | 2by-pass | |
| Dimension | mm | 780*676*35 | |
| Weight | kg | 6 | |
| Operate Temp Scope | °C | -40~+85 | |
| Relative humidity | % | 0~100% | |
| Frame Thickness | | Quantity/Container | |
| 35mm | | 700pcs/20GP | 1400pcs/40GP 1400pcs/40HQ |

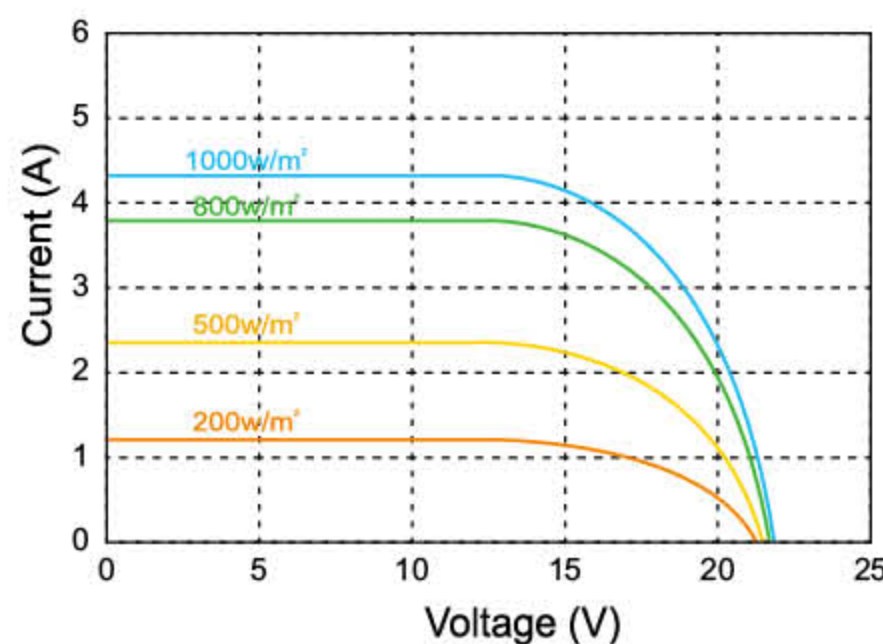
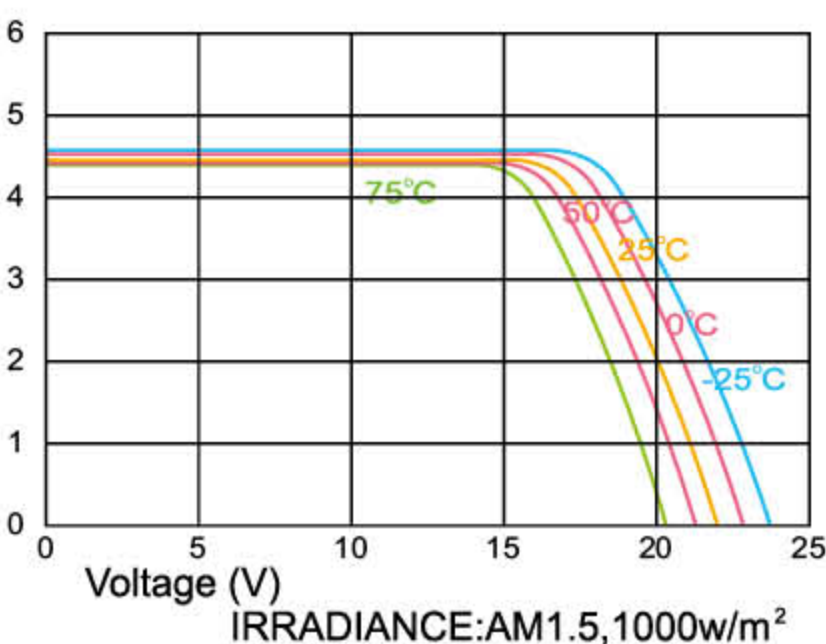
Temperature coefficients

| | | |
|---|-------------------|-----------|
| NOCT | | 45°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.10%/°C |
| open-circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.38%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.47%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



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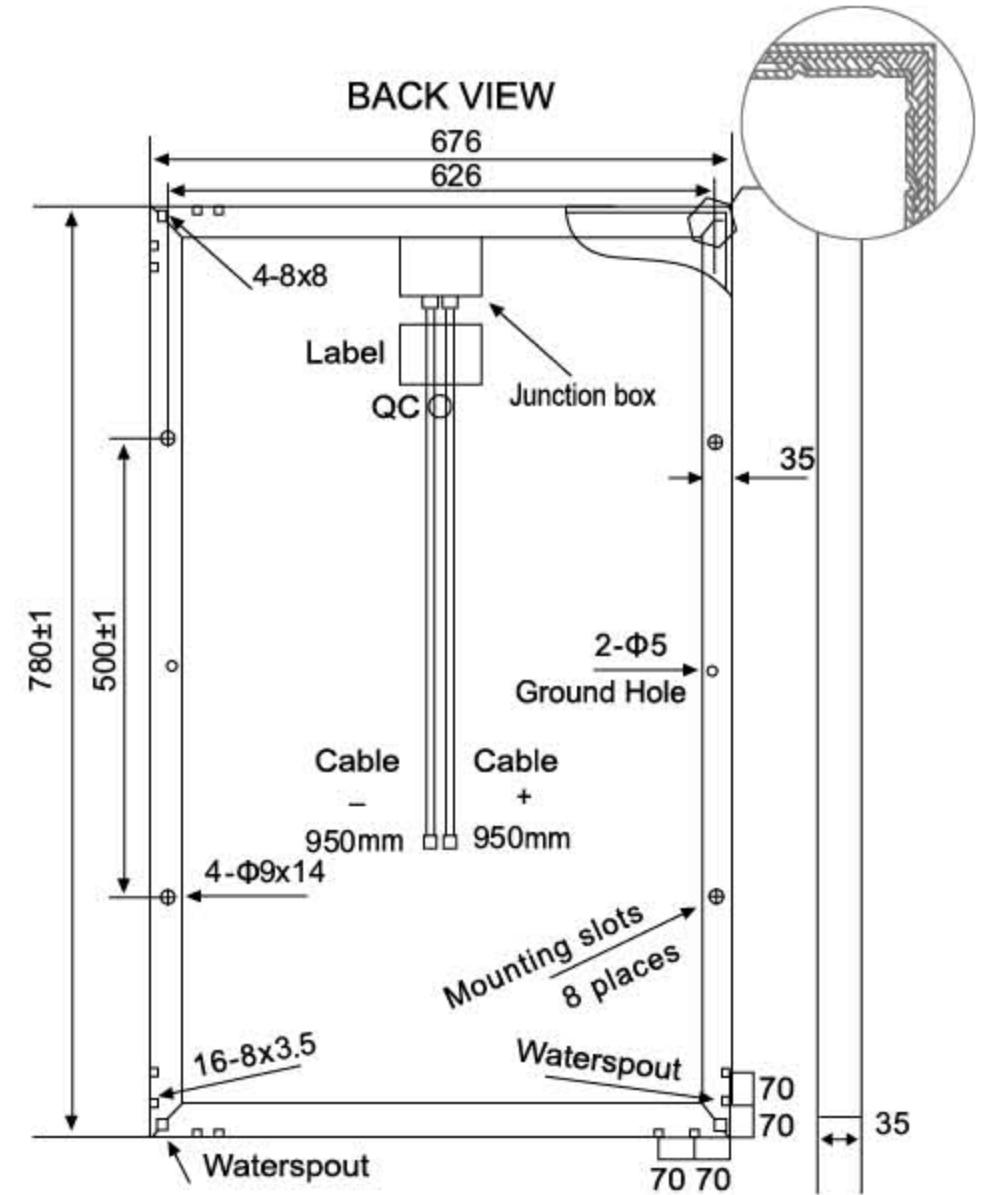
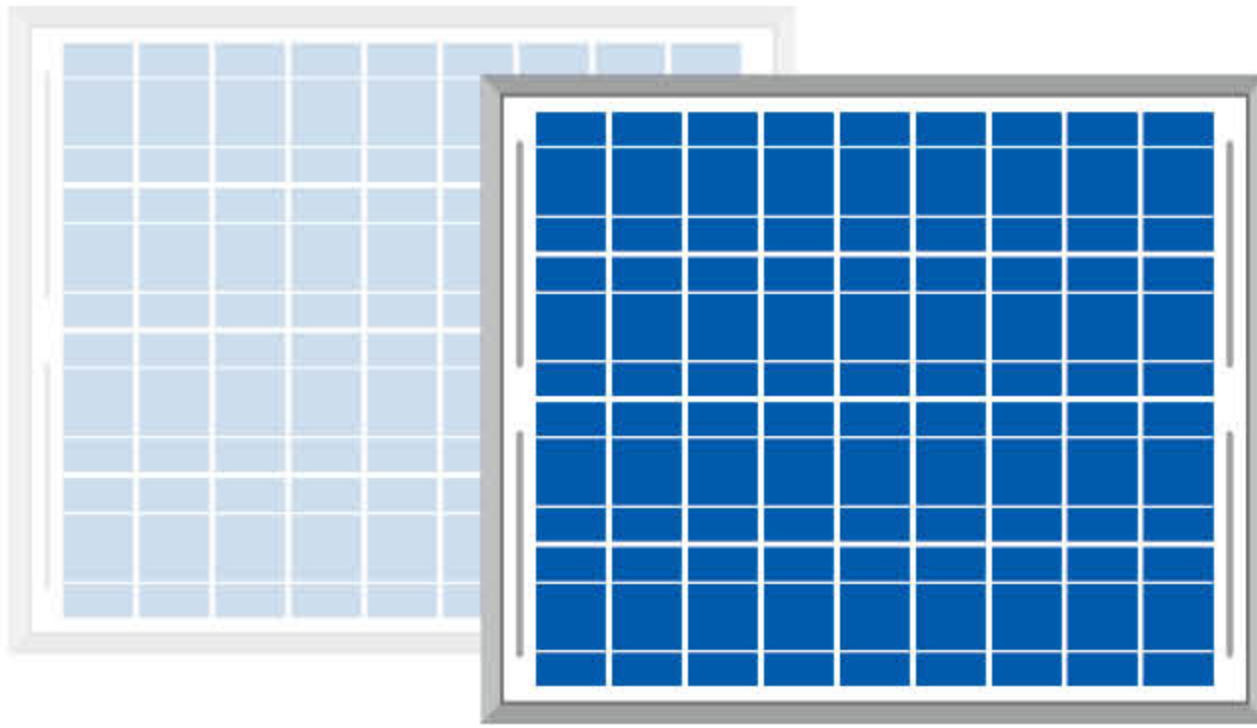


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM70P-B-D36

Photovoltaic modules
36pcs 78*156mm poly-crystalline silicon cell



Photovoltaic modules 36pcs 78*156mm poly-crystalline silicon cell

The TDM70P series modules consist of 36pcs 78*156mm poly-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, ect.

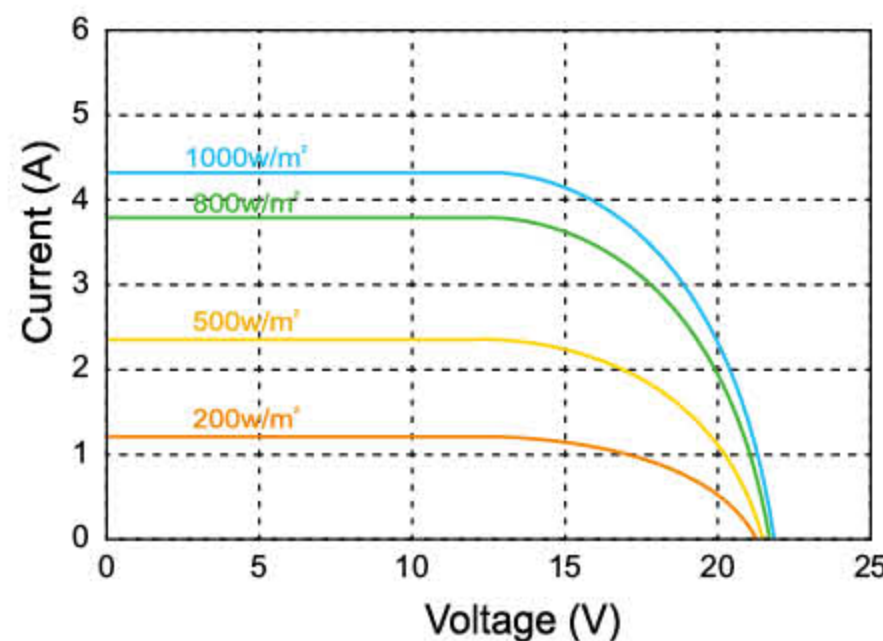
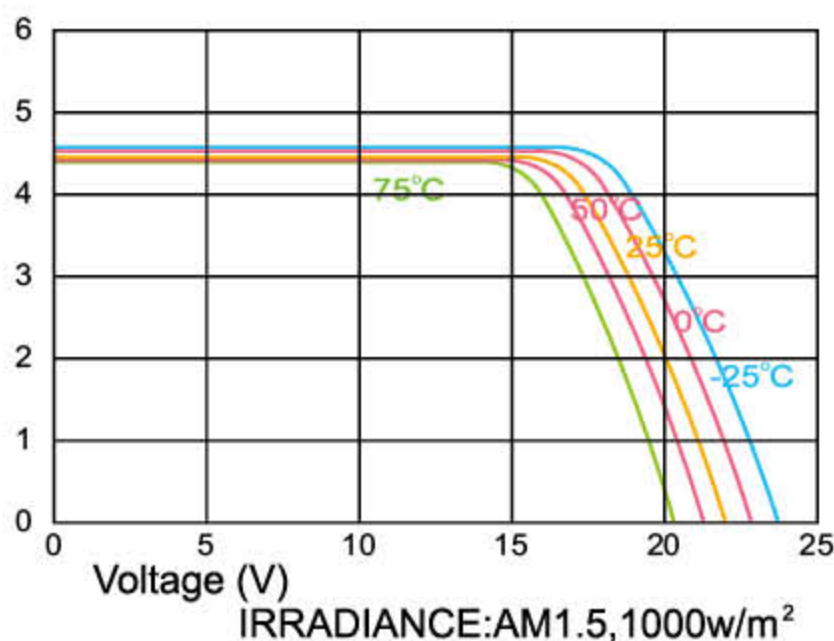
| MODULE | | TDM70P-B-D36 | |
|----------------------------|----|------------------------|---------------------------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | |
| Size and Number of cells | | 78mm*156mm 36/9*4pcs | |
| Maximum Power(Pmax) | W | 70 | |
| Cell Efficiency | % | 16.0 | |
| Module Efficiency | % | 13.28 | |
| Tolerance | % | ±3 | |
| Open Circuit Voltage(Voc) | V | 22.4 | |
| Short Circuit Current(Isc) | A | 4.18 | |
| Maximum Power Voltage(Vmp) | V | 17.6 | |
| Maximum power Current(Imp) | A | 3.98 | |
| Max.syst.Open voltage | V | 600 | |
| Diodes | | 2by-pass | |
| Dimension | mm | 780*676*35 | |
| Weight | kg | 6 | |
| Operate Temp Scope | °C | -40~+85 | |
| Relative humidity | % | 0~100% | |
| Frame Thickness | | Quantity/Container | |
| 35mm | | 700pcs/20GP | 1400pcs/40GP 1400pcs/40HQ |

Temperature coefficients

| | | |
|--|-------------------|-----------|
| NOCT | | 45°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.10%/°C |
| open-circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.38%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.47%/°C |
| NOCT : Nominal Operating Cell Temperature data is only for reference | | |

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



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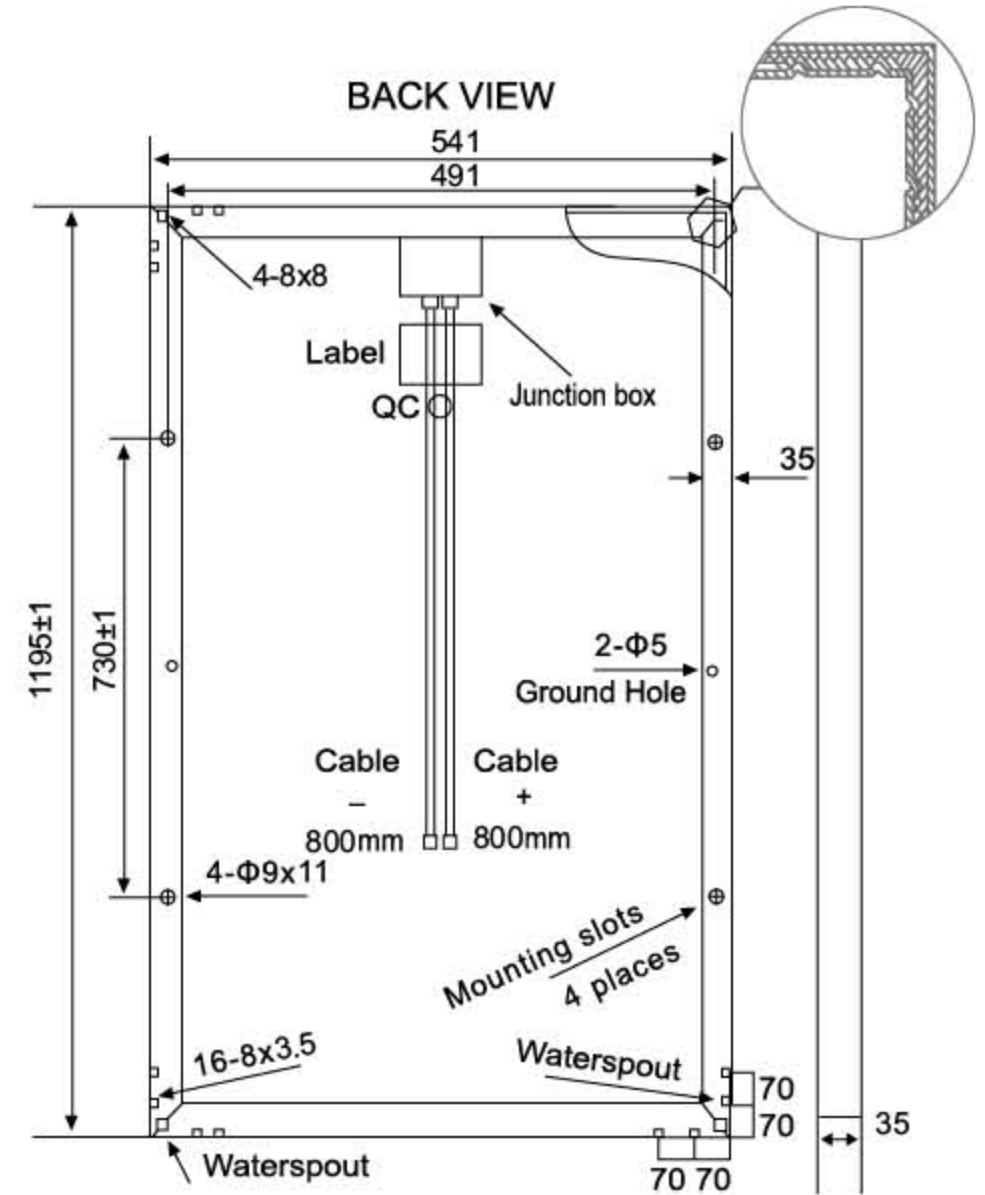
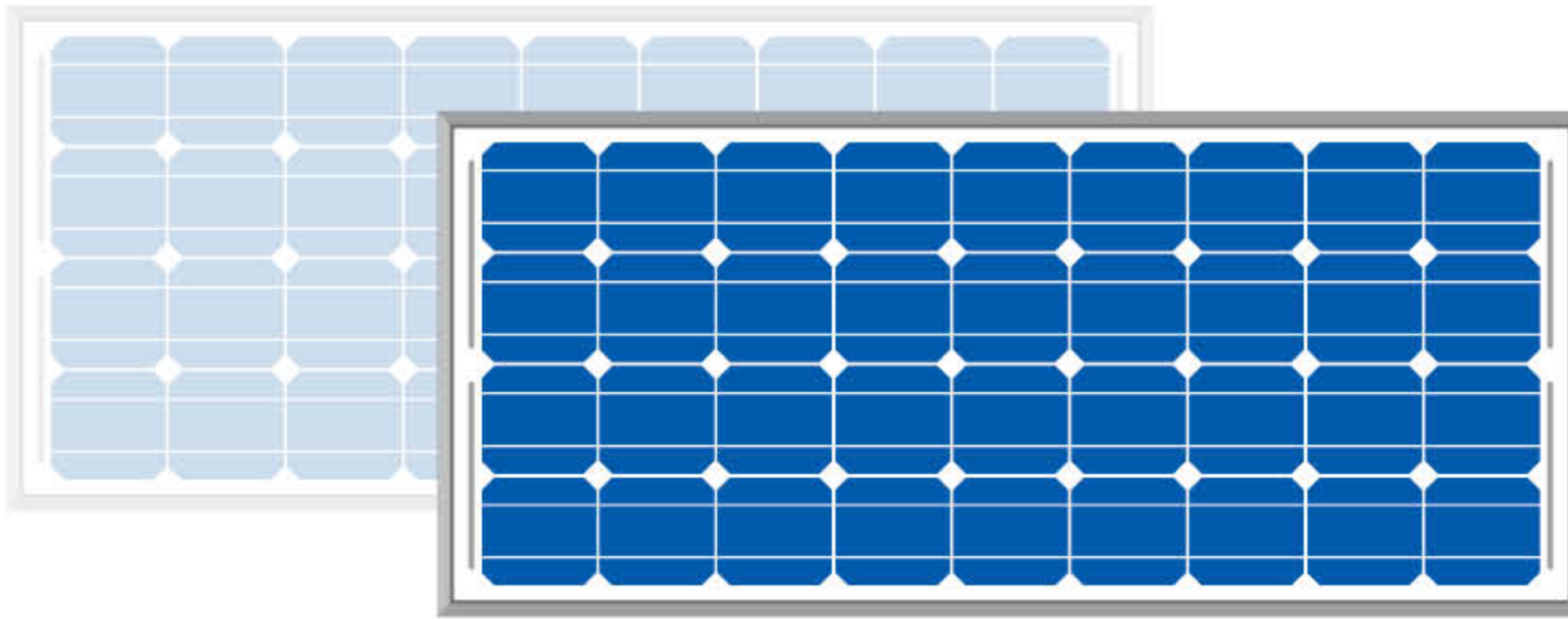


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM100-A-36

Photovoltaic modules
36pcs 125*125mm mono-crystalline silicon cell



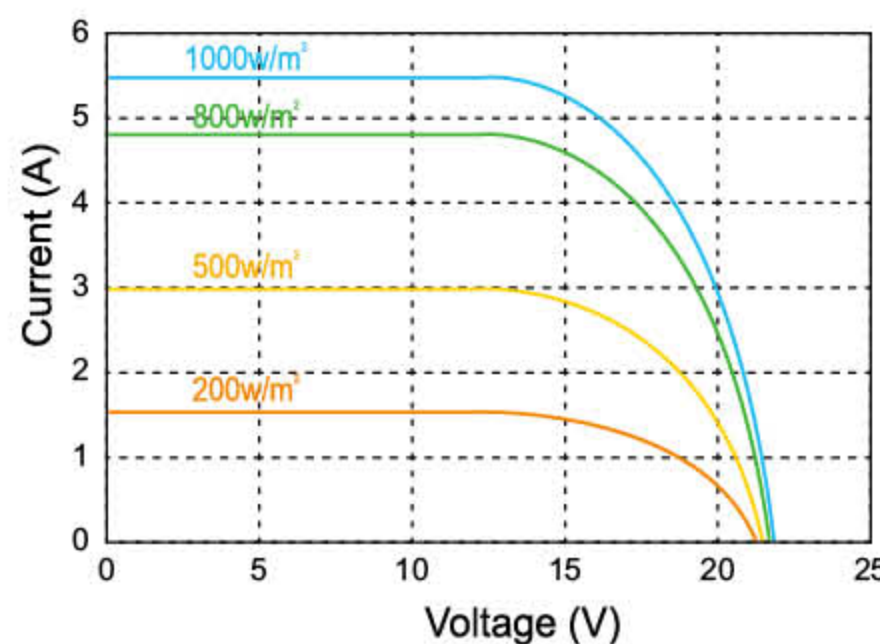
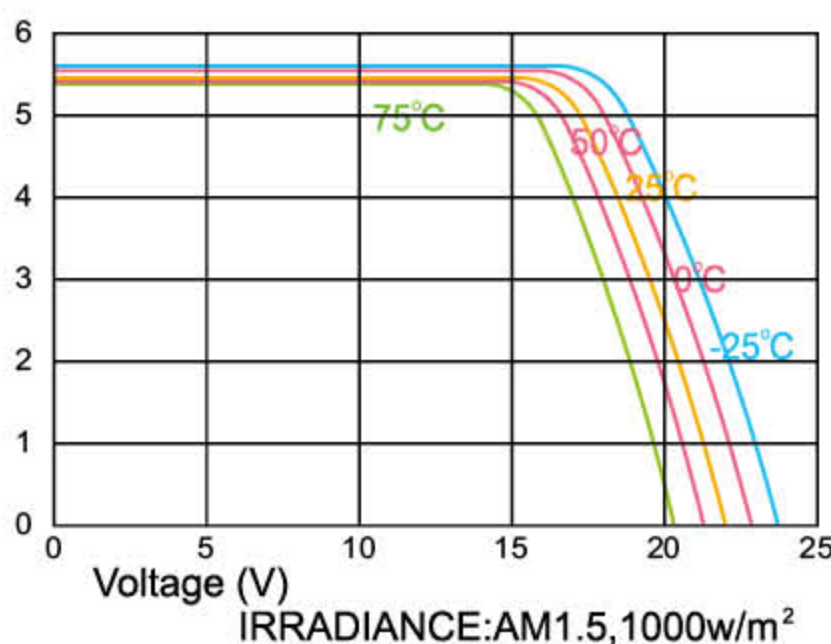
| MODULE | | TDM100-A-36 | | |
|----------------------------|----|------------------------|--------------|--------------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | | |
| Size and Number of cells | | 125mm*125mm 36/9*4pcs | | |
| Maximum Power(Pmax) | W | 95 | 100 | 105 |
| Cell Efficiency | % | 17.2 | 18.0 | 19.0 |
| Module Efficiency | % | 14.69 | 15.47 | 16.24 |
| Tolerance | % | ±3 | | |
| Open Circuit Voltage(Voc) | V | 22.4 | 22.6 | 22.9 |
| Short Circuit Current(Isc) | A | 5.54 | 5.81 | 5.86 |
| Maximum Power Voltage(Vmp) | V | 18.4 | 18.7 | 19.2 |
| Maximum power Current(Imp) | A | 5.15 | 5.35 | 5.47 |
| Max.syst.Open voltage | V | 600 | | |
| Diodes | | 2by-pass | | |
| Dimension | mm | 1195*541*35 | | |
| Weight | kg | 8 | | |
| Operate Temp Scope | °C | -40~+85 | | |
| Relative humidity | % | 0~100% | | |
| Frame Thickness | | Quantity/Container | | |
| 35mm | | 732pcs/20GP | 1512pcs/40GP | 1512pcs/40HQ |

Temperature coefficients

| | | |
|--|-------------------|-----------|
| NOCT | | 45°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.10%/°C |
| open-circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.38%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.47%/°C |
| NOCT : Nominal Operating Cell Temperature data is only for reference | | |

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 800mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 36pcs 125*125mm mono-crystalline silicon cell

The TDM100 series modules consist of 72pcs 125*125mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, ect.

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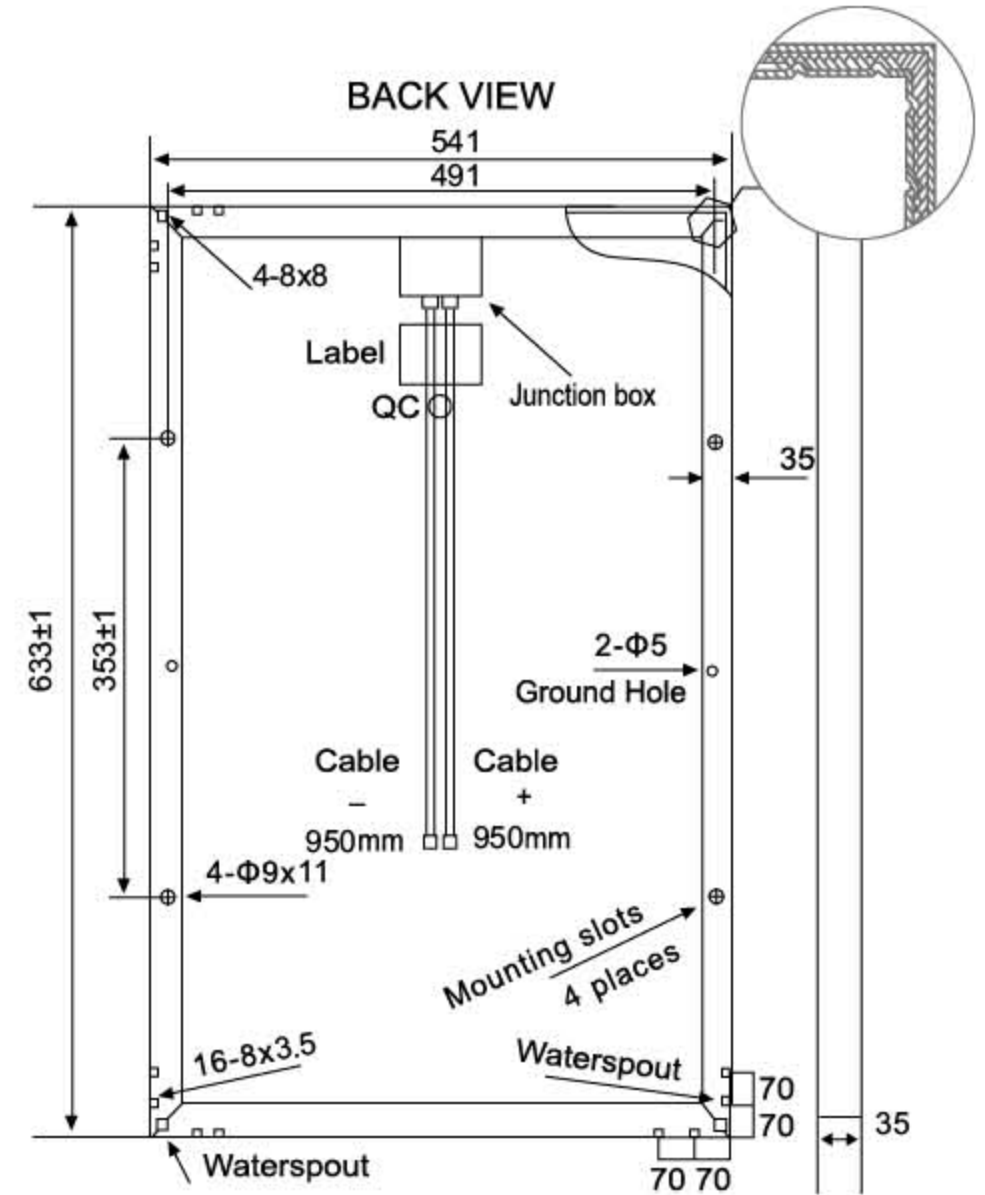
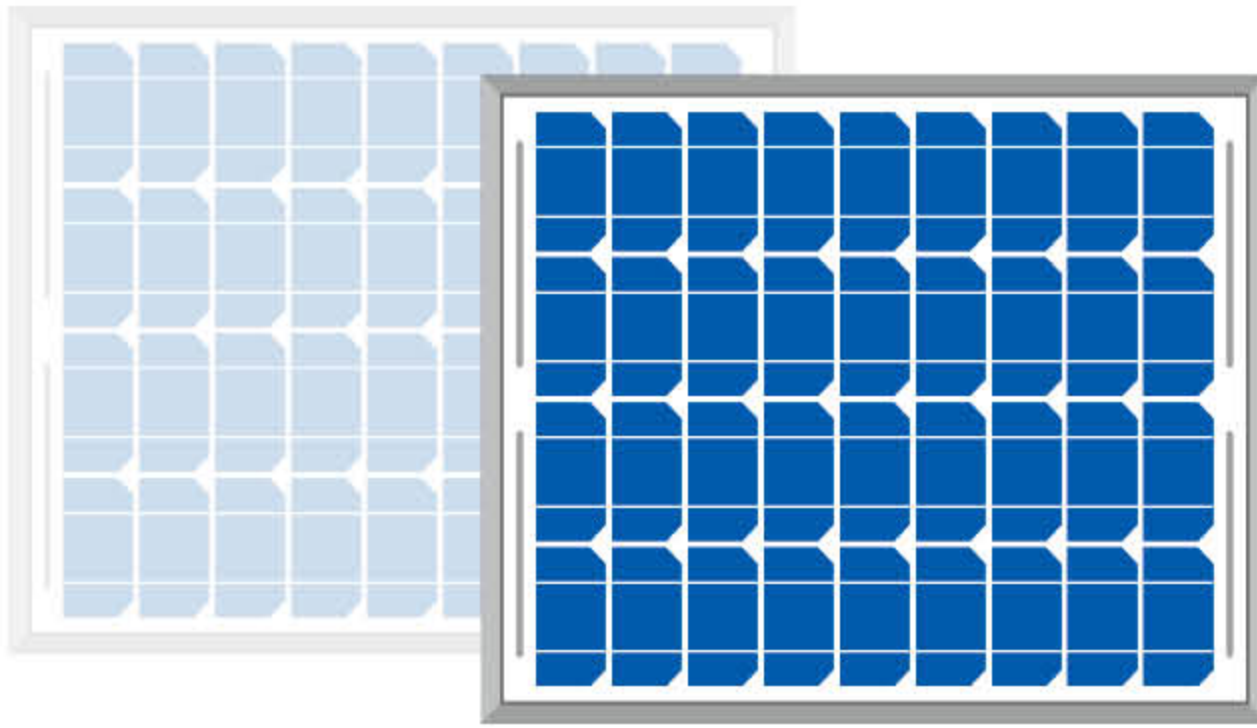


Anhui Titan PV Co.,Ltd.

Photovoltaic Modules

TDM50-A-D36

Photovoltaic modules
36pcs 62.5*125mm mono-crystalline silicon cell



| MODULE | | TDM50-A-D36 | |
|----------------------------|----|------------------------|---------------------------|
| Encapsulation | | Glass/EVA/Cell/EVA/TPT | |
| Size and Number of cells | | 62.5mm*125mm 36/9*4pcs | |
| Maximum Power(Pmax) | W | 50 | |
| Cell Efficiency | % | 18.0 | |
| Module Efficiency | % | 14.6 | |
| Tolerance | % | ±3 | |
| Open Circuit Voltage(Voc) | V | 22.9 | |
| Short Circuit Current(Isc) | A | 2.92 | |
| Maximum Power Voltage(Vmp) | V | 18.38 | |
| Maximum power Current(Imp) | A | 2.72 | |
| Max.syst.Open voltage | V | 600 | |
| Diodes | | 2by-pass | |
| Dimension | mm | 635*541*35 | |
| Weight | kg | 5 | |
| Operate Temp Scope | °C | -40~+85 | |
| Relative humidity | % | 0~100% | |
| Frame Thickness | | Quantity/Container | |
| 35mm | | 810pcs/20GP | 1800pcs/40GP 1800pcs/40HQ |

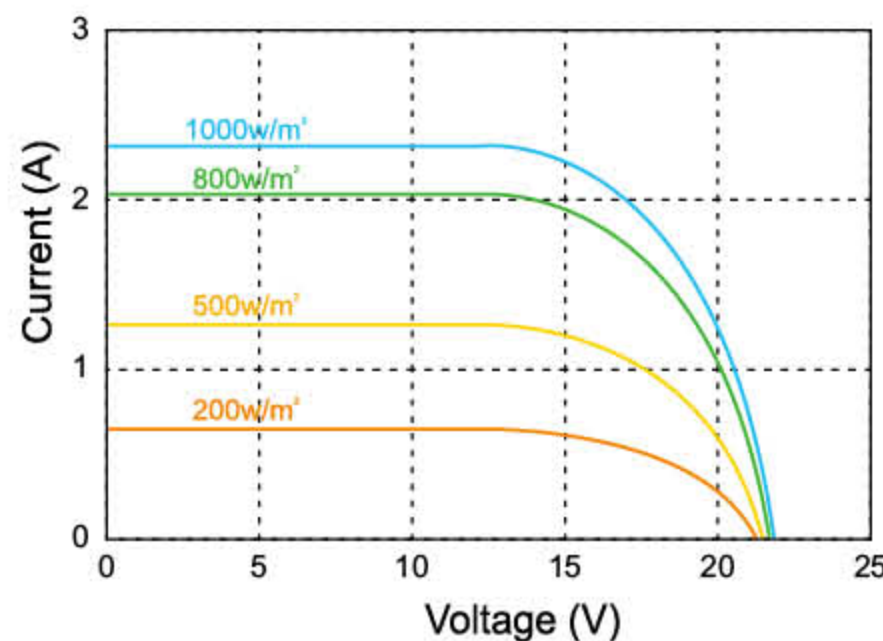
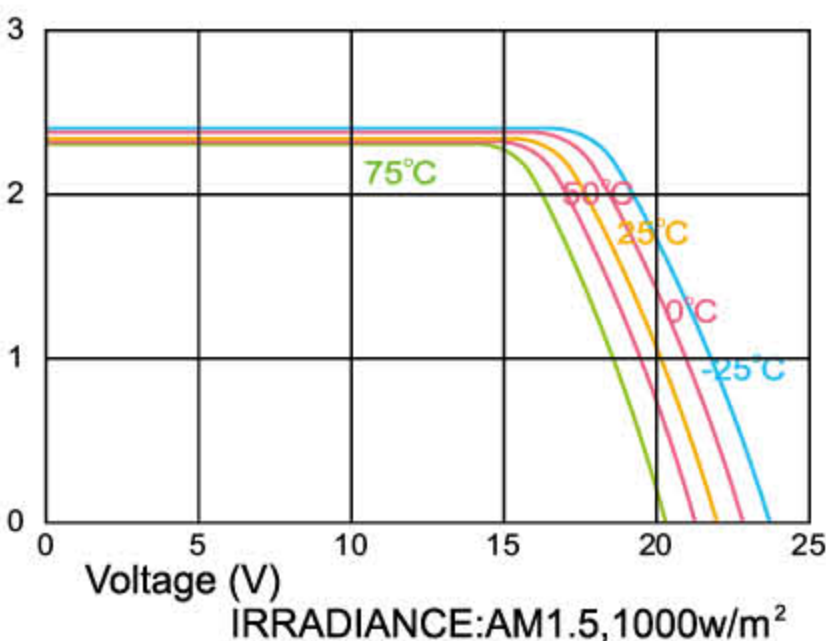
Temperature coefficients

| | | |
|---|-------------------|-----------|
| NOCT | | 45°C±2°C |
| short-circuit current temperature coefficient | $\alpha(I_{sc})$ | 0.10%/°C |
| open- circuit Voltage temperature coefficient | $\beta(V_{oc})$ | -0.38%/°C |
| peak power temperature coefficient | $\gamma(P_{max})$ | -0.47%/°C |

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

| | | | | | |
|-------|--------------------------|--------|-------|-----------|---------|
| Cable | 4.0mm ² (TUV) | Length | 950mm | Connector | MC Type |
|-------|--------------------------|--------|-------|-----------|---------|



Photovoltaic modules 36pcs 62.5*125mm mono-crystalline silicon cell

The TDM50 series modules consist of 72pcs 125*125mm mono-crystalline high efficient silicon cells, which are individually characterized and electronically matched before interconnection and Laminated with toughened glass, EVA and TPT of high quality.

After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, ect.

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Anhui Titan PV Co.,Ltd.

Solar Street Light

Main Components



LED light



Controller



Battery



Light poles



Buried tank

Projects



Anhui Wuhu Economic Development Zone, the West Branch 5th Rd



Anhui Wuhu Economic Development Zone, the Longitude 4th Road

Solar Street Light Configuration

| | 42W | 60W | 84W |
|--------------|-------------------|-------------------|-------------------|
| Item | specification | specification | specification |
| Pole | 6 meters | 8 meters | 8 meters |
| LED Light | 42w | 60w | 84w |
| Module | 100w*2 | 130w*2 | 180w*2 |
| Controller | 10A/24V | 10A/24V | 10A/24V |
| Battery | 12v/120AH | 12v/150AH | 12v/200AH |
| Buried Tank | up to the battery | up to the battery | up to the battery |
| Cenment Base | 600*600*1000mm | 600*600*1000mm | 800*800*1000mm |

How Solar Street Light Works

under the control of intelligent controller, in the daytime, solar panels are exposed to the sunlight, convert solar energy into electrical energy, and charge the battery. At night, battery powers LED light to achieve illumination. DC controller can protect lead batteries form overcharge and overdischarge, along with the function of light-control, time-control, temperature compensation and lightning protection, reverse-power protection.



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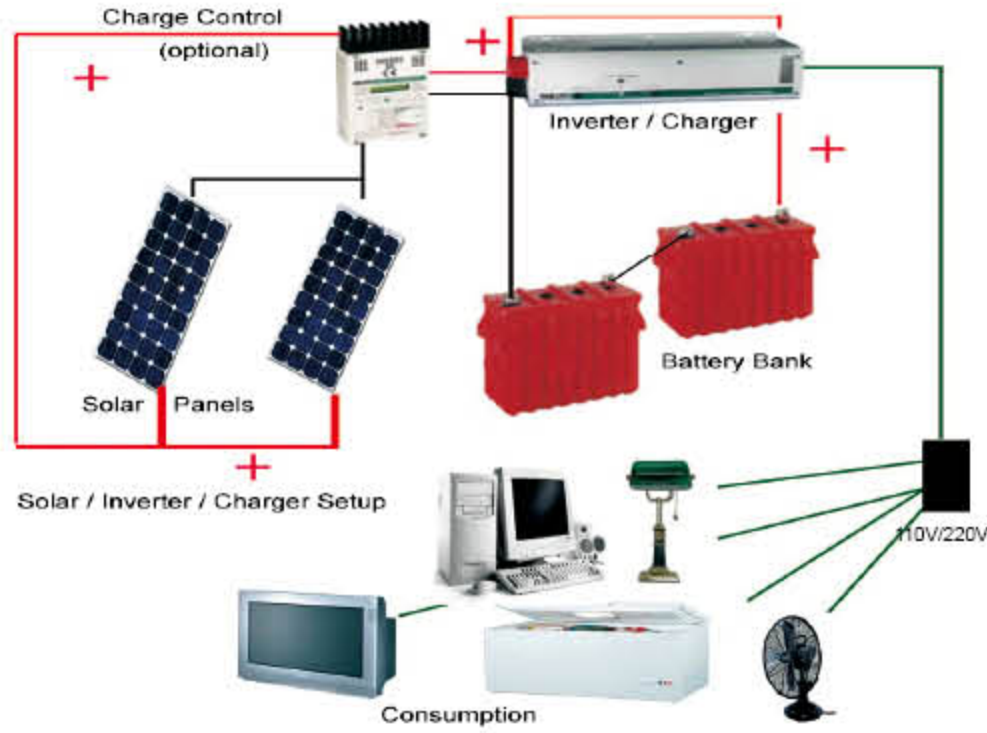




Anhui Titan PV Co.,Ltd.

Solar System

Stand-alone Solar Power System



Household Stand-alone power system

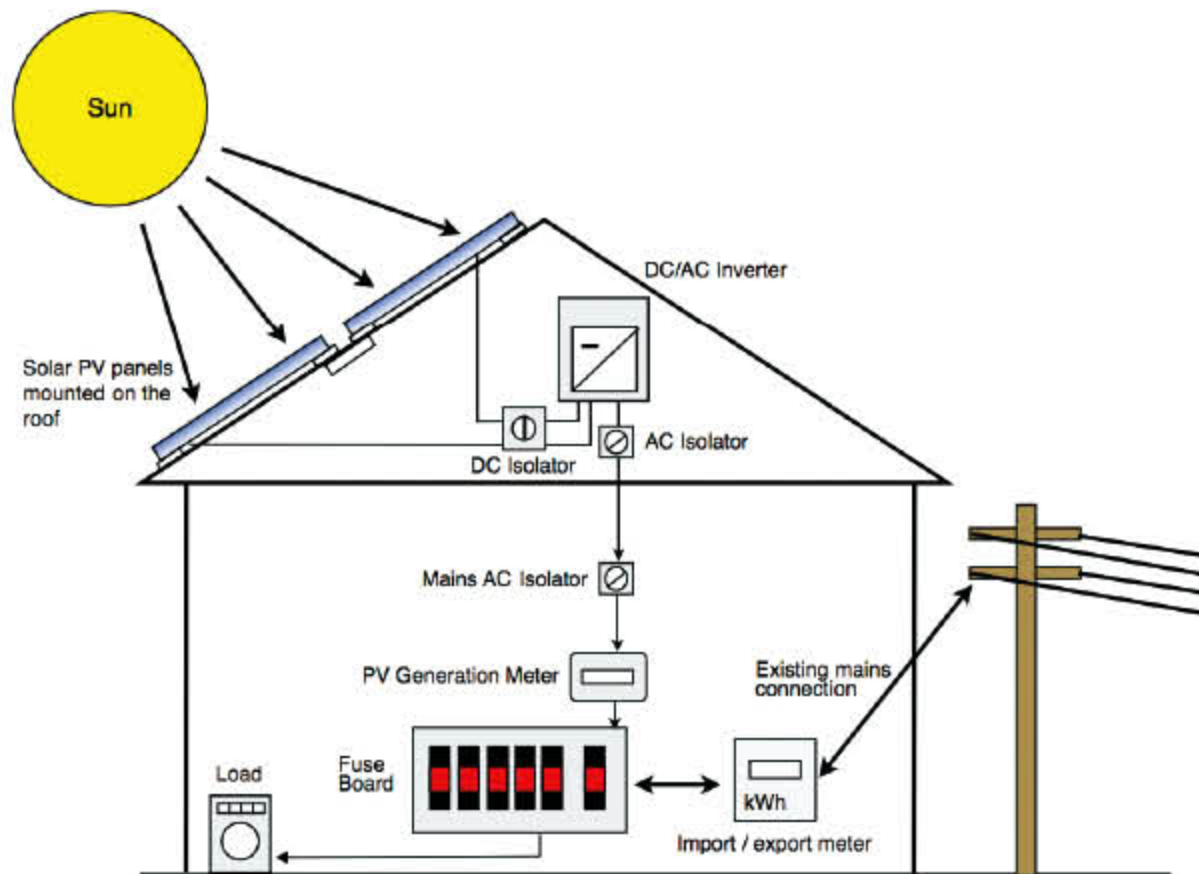


Stand-alone system for Netcom station base



Solar street light system

Grid-connected Solar Power System



10KW off-grid system configuration

| Item | Specification | Unit | Quantity |
|--------------------------------------|------------------|------|----------|
| PV Module | TDM245P-B-60 | pcs | 44 |
| Controller & Inverter | DC220V80A AC220V | pcs | 1 |
| PV Lightning Protection Combiner Box | 4 IN 1 OUT | set | 1 |
| Battery | 2V/500AH | set | 110 |
| Battery Rack | | set | 1 |
| PV Mounting | | set | 1 |
| PV Cables And Accessories | | set | 1 |

1MW PV power plant system configuration

| Item | Type | Unit | Quantity |
|--|----------------|------|----------|
| PV Module | TDM190-A-72 | pcs | 5312 |
| PV Mounting | | set | 1 |
| PV Lightning Protection Combiner Box | 14 In 1 Out | set | 24 |
| Lightning Protection DC Distribution Cabinet | PMD-D 250k | set | 4 |
| PV Grid-connected Inverter | SG250K3 | pcs | 4 |
| AC Low-Voltage Switch Cabinet | 0.4KV | set | 1 |
| 10KV substation | 10/0.4KV(1MWp) | set | 1 |
| Monitor System | ChiticBank | set | 1 |

What Is Solar Power System

Solar power system is a kind of energy generating system characterized by high reliability, long life and environmental-friendly, which mainly consists of solar panel, battery, controller and inverter, and converts solar energy directly into electricity. According to grid connection status, it can be classified as stand-alone system and grid-connected system.

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