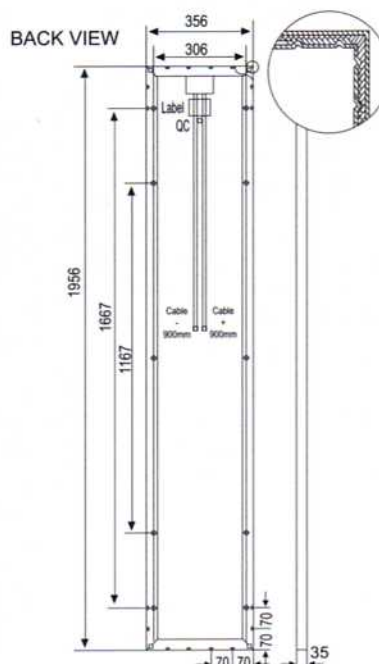
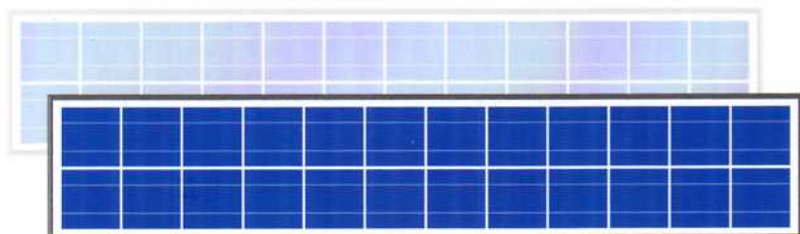




Titan PV Co., Ltd.

Photovoltaic Modules

TDM090P-B-24 Photovoltaic modules 24pcs 156×156mm poly-crystalline silicon cell



MODULE		TDM090P-B-24				
Encapsulation		Glass/EVA/Cells/EVA/TPT				
Size and Number of cells		156mm×156mm 24/2×12pcs				
Maximum Power(Pmax)	W	60W	70W	80W	90W	100W
Cell Efficiency		10.8%	12.2%	14.0%	15.8%	16.0%
Module Efficiency		8.63%	10.05%	11.49%	12.92%	14.36%
Tolerance		±3%				
Open Circuit Voltage(Voc)	V	12.21V	12.73V	13.54V	14.83V	15.46V
Short Circuit Current(Isc)	A	6.55A	7.33A	7.88A	8.20A	8.47A
Maximum Power Voltage(Vmp)	V	10.10V	10.49V	11.25V	11.67V	12.47V
Maximum power Current(Imp)	A	5.94A	6.67A	7.11A	7.71A	8.02A
Max.syst.Open voltage	V	1000V				
Diodes		1 by-pass				
Dimension	mm	1956×356×35				
Weight	kg	10				
Operate Temp Scope	°C	-40/+85				
Relative humidity		0 to 100%				

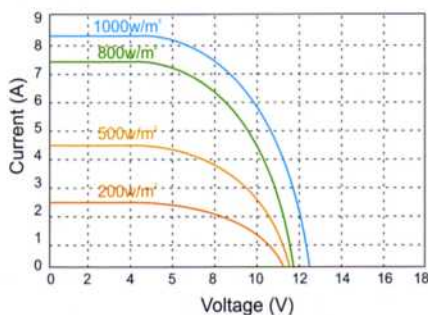
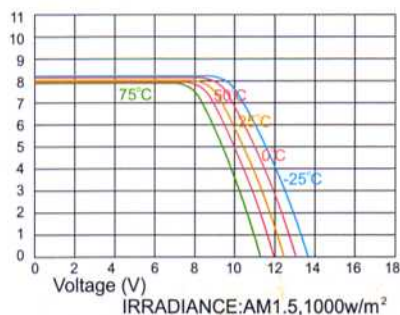
Temperature coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable	4.0mm ² (TUV)	Length	900mm	Connector	MC Type
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Photovoltaic modules 24pcs 156*156mm poly-crystalline silicon cell

The TDM090P 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.

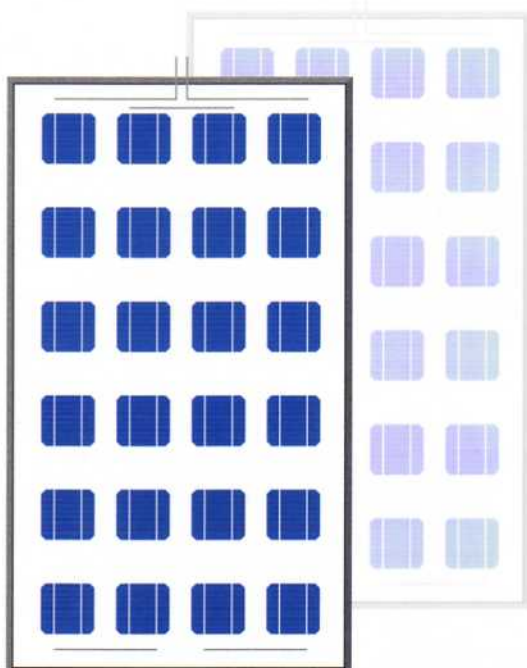
After assembled with anodized aluminum alloy frame, cable and junction box with MC connectors, the Titan solar modules can be installed easily and work for a long period. At the same time, they can withstand the storm, strong wind and hail impact, ect.

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BIPV Modules

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



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

Photovoltaic modules 24pcs 125*125mm
mono-crystalline silicon cell

The TDM060 serie 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 of high quality.

After assembled with cable and junction box MC connectors, the 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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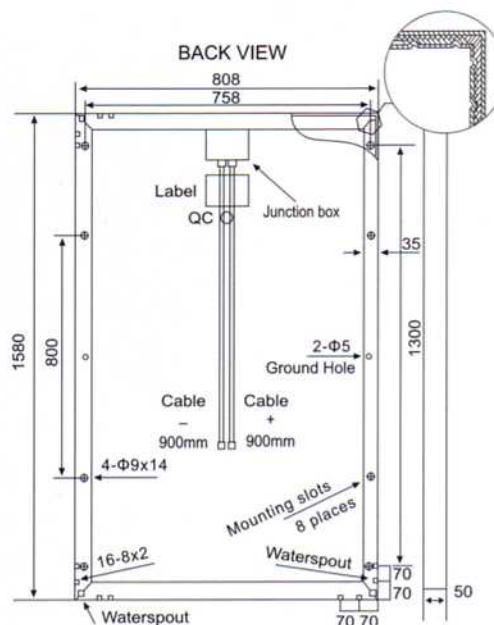
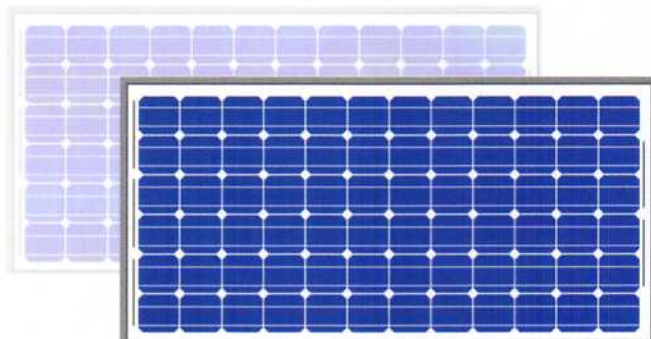




Titan PV Co.,Ltd.

Photovoltaic Modules

TDM180-A-72 Photovoltaic modules
72pcs 125×125mm mono-crystalline silicon cell



MODULE		TDM180-A-72						
Encapsulation	Glass/EVA/Cells/EVA/TPT							
Size and Number of cells	125mm×125mm 72/6×12pcs							
Maximum Power(Pmax)	W	160W	165W	170W	175W	180W	185W	190W
Cell Efficiency		14.6%	15.0%	15.4%	15.8%	16.4%	17.0%	17.2%
Module Efficiency		12.53%	12.92%	13.32%	13.71%	14.10%	14.49%	14.88%
Tolerance		±3%						
Open Circuit Voltage(Voc)	V	44.0V	44.0V	44.4V	44.6V	44.8V	44.8V	44.8V
Short Circuit Current(Isc)	A	5.10A	5.36A	5.41A	5.43A	5.48A	5.51A	5.62A
Maximum Power Voltage(Vmp)	V	35.0V	35.0V	35.6V	35.8V	36.0V	36.2V	36.4V
Maximum power Current(Imp)	A	4.57A	4.71A	4.77A	4.88A	5.00A	5.11A	5.20A
Max.syst.Open voltage	V	1000V						
Diodes		6by-pass						
Dimension	mm	1580×808×40						
Weight	kg	16						
Operate Temp Scope	°C	-40/+85						
Relative humidity		0 to 100%						

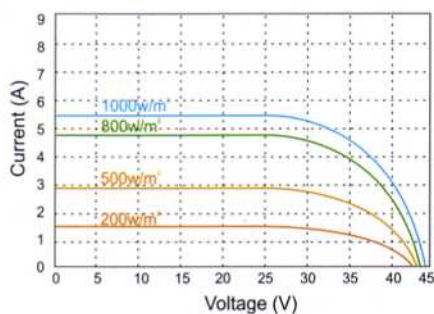
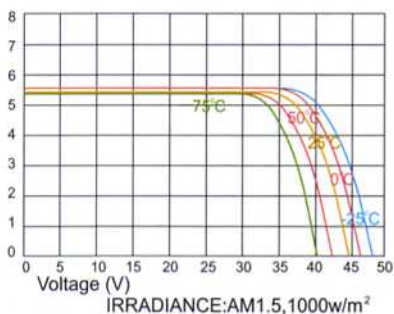
Temperature coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable	4.0mm ² (TUV)	Length	900mm	Connector	MC Type
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Photovoltaic modules 72pcs 125*125mm mono-crystalline silicon cell

The TDM180 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, the 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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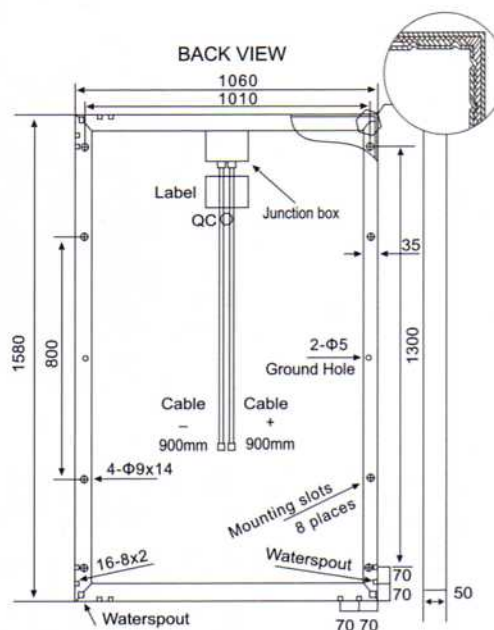
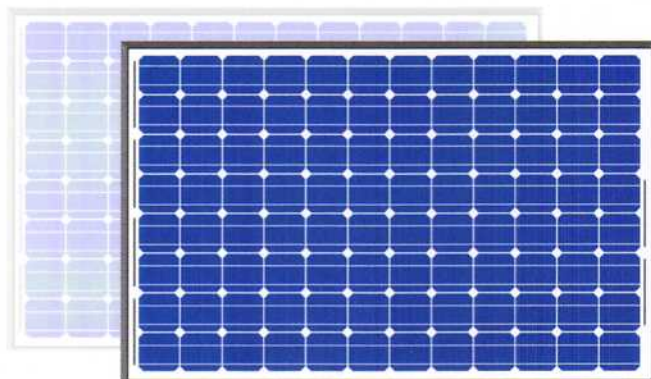




Titan PV Co.,Ltd.

Photovoltaic Modules

TDM220-A-96 Photovoltaic modules
96pcs 125×125mm mono-crystalline silicon cell



MODULE		TDM220-A-96				
Encapsulation		Glass/EVA/Cells/EVA/TPT				
Size and Number of cells		125mm×125mm 96/8×12pcs				
Maximum Power(Pmax)	W	200W	210W	220W	230W	240W
Cell Efficiency		13.6%	14.2%	14.8%	15.4%	16.6%
Module Efficiency		11.94%	12.54%	13.14%	13.73%	14.33%
Tolerance		±3%				
Open Circuit Voltage(Voc)	V	59.0A	59.2A	59.2A	59.5A	59.5A
Short Circuit Current(Isc)	A	5.12A	5.20A	5.43A	5.47A	5.50A
Maximum Power Voltage(Vmp)	V	43.6V	44.3V	45.2V	46.4V	46.9V
Maximum power Current(Imp)	A	4.58A	4.74A	4.87A	4.96A	5.11A
Max.syst.Open voltage	V	1000V				
Diodes		4by-pass				
Dimension	mm	1580×1060×50				
Weight	kg	21				
Operate Temp Scope	°C	-40/+85				
Relative humidity		0 to 100%				

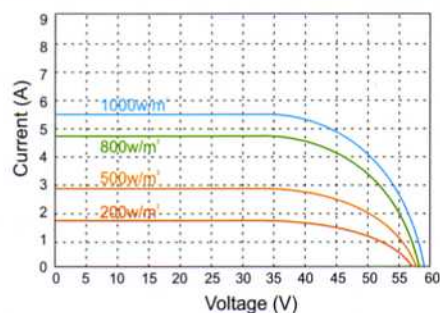
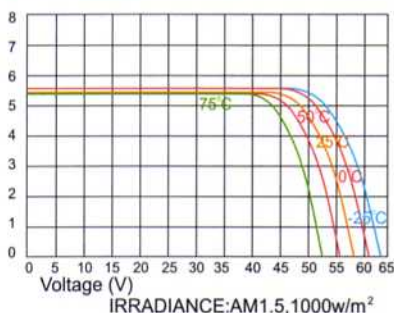
Temperature coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable	4.0mm ² (TUV)	Length	900mm	Connector	MC Type
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Photovoltaic modules 96pcs 125*125mm mono-crystalline silicon cell

The TDM220 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, the 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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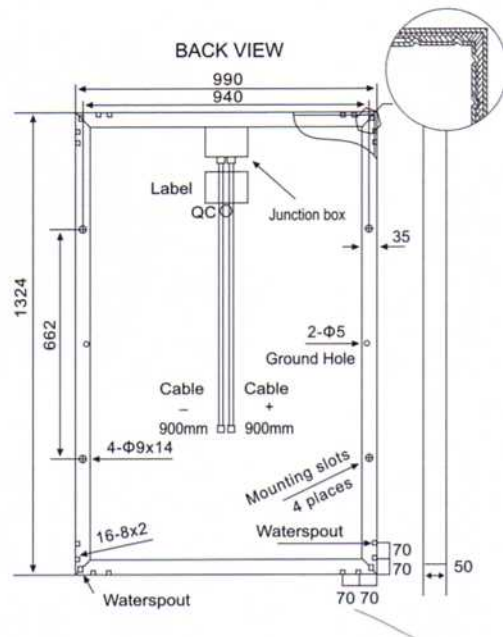


Titan PV Co.,Ltd.

Photovoltaic Modules

TDM180-B-48

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



MODULE		TDM180-B-48				
Encapsulation		Glass/EVA/Cells/EVA/TPT				
Size and Number of cells		156mm×156mm 48/6×8pcs				
Maximum Power(Pmax)	W	160W	170W	180W	190W	200W
Cell Efficiency		14.2%	14.8%	15.6%	16.4%	17.4%
Module Efficiency		12.21%	12.97%	13.73%	14.50%	15.26%
Tolerance		±3%				
Open Circuit Voltage(Voc)	V	29.0V	29.3V	29.6V	29.8V	30.2V
Short Circuit Current(Isc)	A	7.65A	7.88A	8.10A	8.33A	8.50A
Maximum Power Voltage(Vmp)	V	23.1V	23.2V	23.3V	23.9V	24.8V
Maximum power Current(Imp)	A	6.93A	7.33A	7.71A	7.95A	8.06A
Max.syst.Open voltage	V	1000V				
Diodes		6by-pass				
Dimension	mm	1324×990×50				
Weight	kg	16.5				
Operate Temp Scope	°C	-40/+85				
Relative humidity		0 to 100%				

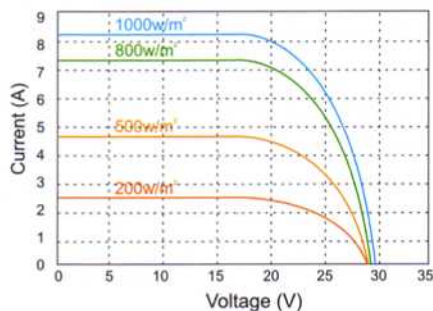
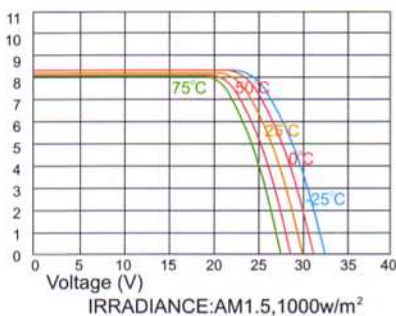
Temperature Coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable	Length	Connector
4.0mm ² (TUV)	900mm	MC Type



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

The TDM180 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, the 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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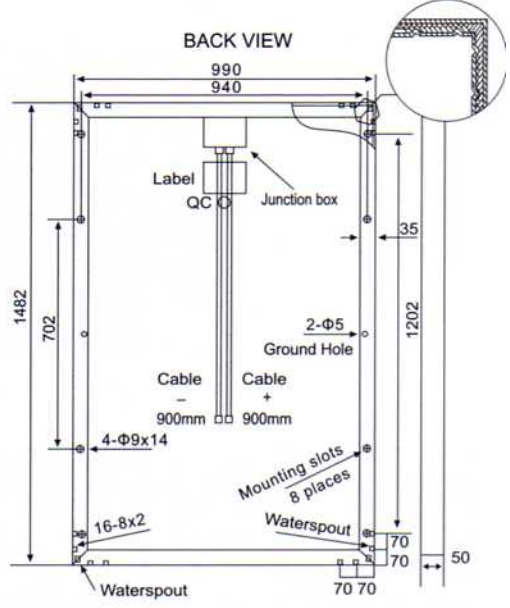
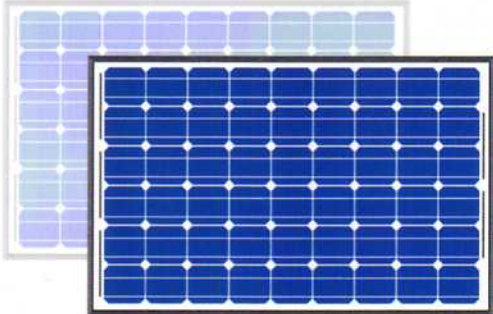




Titan PV Co.,Ltd.

Photovoltaic Modules

TDM200-B-54 Photovoltaic modules
54pcs 156×156mm mono-crystalline silicon cell



MODULE		TDM200-B-54				
Encapsulation		Glass/EVA/Cells/EVA/TPT				
Size and Number of cells		156mm×156mm 54/6×9pcs				
Maximum Power(Pmax)	W	190W	200W	210W	220W	230W
Cell Efficiency		14.6%	15.4%	16.2%	17.0%	17.6%
Module Efficiency		12.95%	13.63%	14.31%	14.99%	15.68%
Tolerance		±3%				
Open Circuit Voltage(Voc)	V	33.2V	33.6V	33.6V	33.7V	34.2V
Short Circuit Current(Isc)	A	7.84A	8.10A	8.33A	8.35A	8.50A
Maximum Power Voltage(Vmp)	V	26.2V	26.2V	26.4V	27.5V	28.5V
Maximum power Current(Imp)	A	7.25A	7.63A	7.95A	7.99A	8.06A
Max.syst.Open voltage	V	1000V				
Diodes		6by-pass				
Dimension	mm	1482×990×50				
Weight	kg	18.5				
Operate Temp Scope	°C	-40/+85				
Relative humidity		0 to 100%				

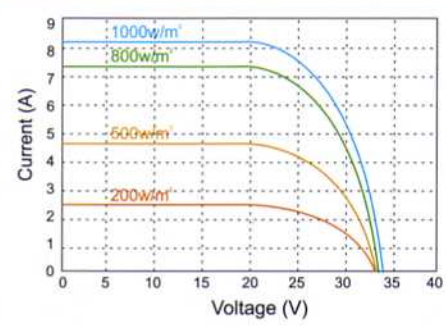
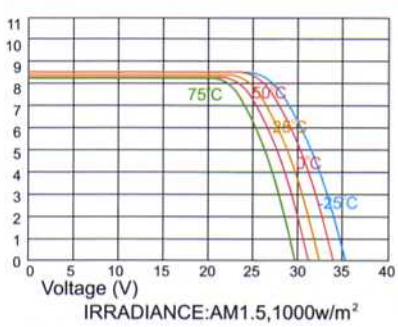
Temperature coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable	4.0mm ² (TUV)	Length	900mm	Connector	MC Type
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Photovoltaic modules 54pcs 156*156mm mono-crystalline silicon cell

The TDM200 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, the 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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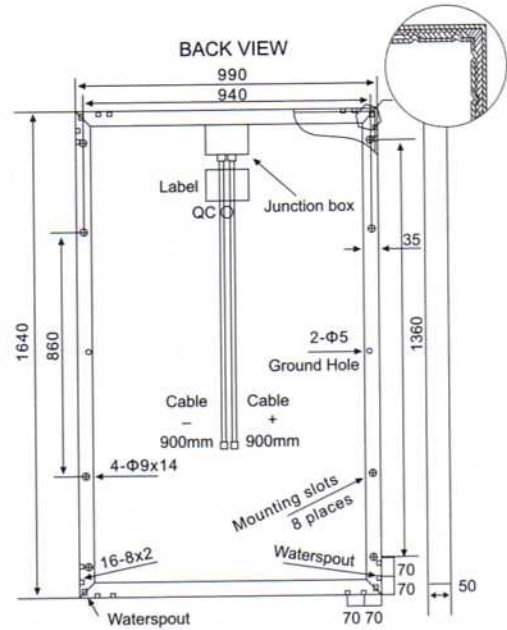
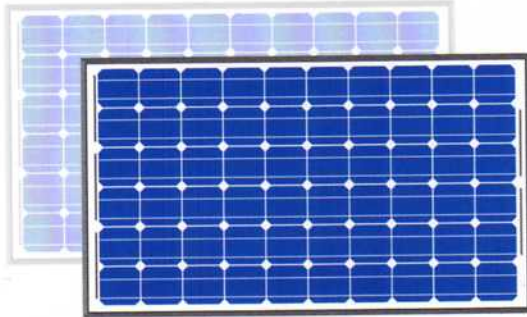


Titan PV Co., Ltd.

Photovoltaic Modules

TDM230-B-60

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



MODULE		TDM230-B-60				
Encapsulation		Glass/EVA/Cells/EVA/TPT				
Size and Number of cells		156mm×156mm 60/6×10pcs				
Maximum Power(Pmax)	W	210W	220W	230W	240W	250W
Cell Efficiency		14.8%	15.4%	16.2%	16.8%	17.4%
Module Efficiency		12.93%	13.55%	14.17%	14.78%	15.40%
Tolerance		±3%				
Open Circuit Voltage(Voc)	V	36.5V	37.0V	37.0V	37.0V	37.2V
Short Circuit Current(Isc)	A	8.02A	8.10A	8.10A	8.31A	8.38A
Maximum Power Voltage(Vmp)	V	29.9V	30.1V	30.1V	30.3V	31.4V
Maximum power Current(Imp)	A	7.35A	7.65A	7.65A	7.92A	7.96A
Max.syst.Open voltage	V	1000V				
Diodes		6by-pass				
Dimension	mm	1640×990×50				
Weight	kg	21				
Operate Temp Scope	°C	-40/+85				
Relative humidity		0 to 100%				

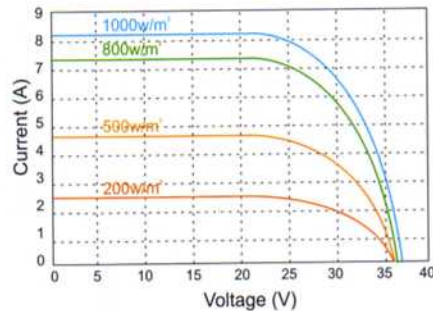
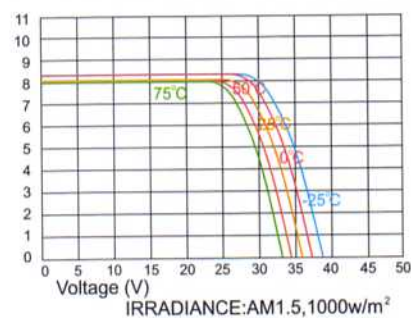
Temperature coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable	4.0mm ² (TUV)	Length	900mm	Connector	MC Type
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Photovoltaic modules 60pcs 156*156mm mono-crystalline silicon cell

The TDM230 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, the 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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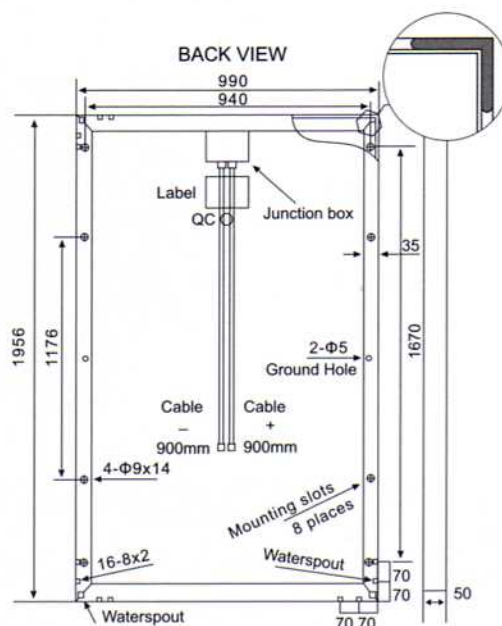
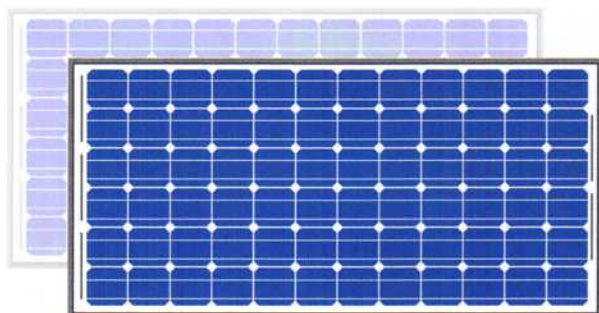




Titan PV Co.,Ltd.

Photovoltaic Modules

TDM280-B-72 Photovoltaic modules
72pcs 156×156mm mono-crystalline silicon cell



MODULE		TDM280-B-72				
Encapsulation		Glass/EVA/Cells/EVA/TPT				
Size and Number of cells		156mm×156mm 72/6×12pcs				
Maximum Power(Pmax)	W	250W	260W	270W	280W	290W
Cell Efficiency		14.4%	15.0%	15.6%	16.2%	16.8%
Module Efficiency		12.91%	13.43%	13.94%	14.46%	14.98%
Tolerance		±3%				
Open Circuit Voltage(Voc)	V	44.0V	44.3V	44.6V	44.8V	44.8V
Short Circuit Current(Isc)	A	7.87A	8.02A	8.12A	8.33A	8.41A
Maximum Power Voltage(Vmp)	V	34.7V	34.8V	35.0V	35.3V	35.7V
Maximum power Current(Imp)	A	7.20A	7.47A	7.71A	7.93A	8.12A
Max.syst.Open voltage	V	1000V				
Diodes		6by-pass				
Dimension	mm	1956×990×50				
Weight	kg	24				
Operate Temp Scope	°C	-40/+85				
Relative humidity		0 to 100%				

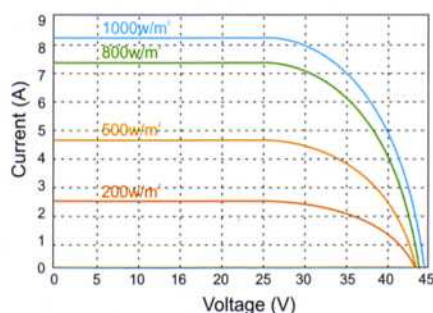
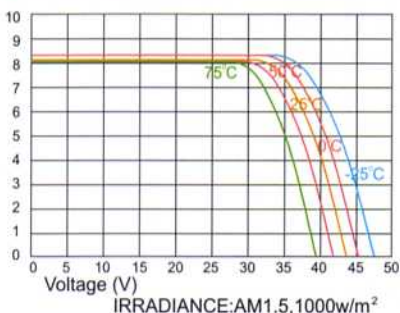
Temperature coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable	Length	Connector
4.0mm ² (TUV)	900mm	MC Type



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

The TDM280 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, the 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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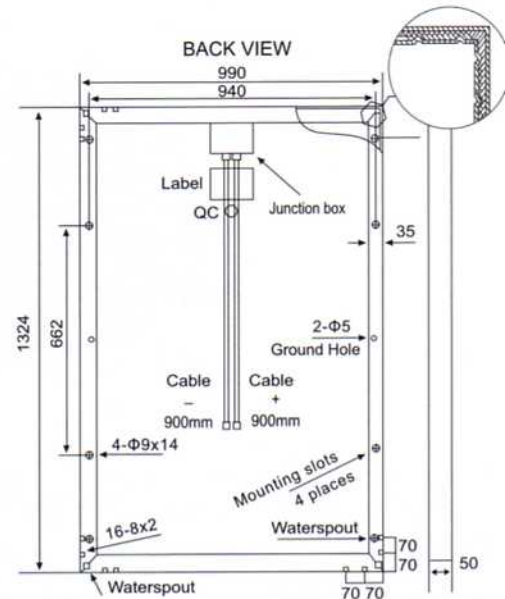
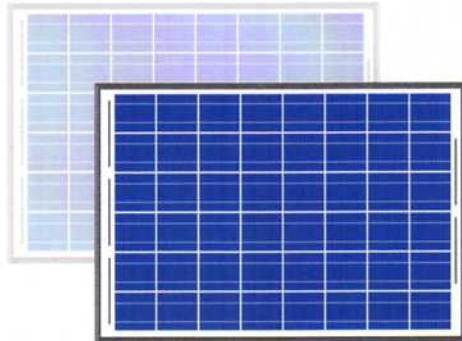




Titan PV Co.,Ltd.

Photovoltaic Modules

TDM180P-B-48 Photovoltaic modules
48pcs 156×156mm poly-crystalline silicon cell



MODULE		TDM180P-B-48			
Encapsulation		Glass/EVA/Cells/EVA/TPT			
Size and Number of cells		156mm×156mm 48/6×8pcs			
Maximum Power(Pmax)	W	160W	170W	180W	190W
Cell Efficiency		14.2%	14.8%	15.6%	16.4%
Module Efficiency		12.21%	12.97%	13.73%	14.50%
Tolerance		±3%			
Open Circuit Voltage(Voc)	V	29.3V	29.6V	29.6V	29.7V
Short Circuit Current(Isc)	A	7.85A	8.11A	8.33A	8.34A
Maximum Power Voltage(Vmp)	V	21.9V	22.3V	22.6V	23.8V
Maximum power Current(Imp)	A	7.32A	7.61A	7.95A	7.98A
Max.syst.Open voltage	V	1000V			
Diodes		6by-pass			
Dimension	mm	1324×990×50			
Weight	kg	16.5			
Operate Temp Scope	°C	-40/+85			
Relative humidity		0 to 100%			

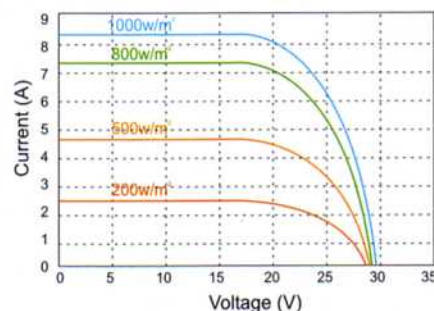
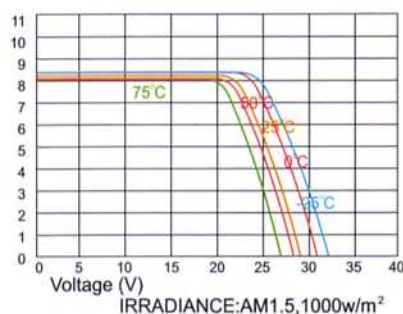
Temperature coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable 4.0mm ² (TUV)	Length 900mm	Connector MC Type
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Photovoltaic modules 48pcs 156*156mm poly-crystalline silicon cell

The TDM180P 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, the 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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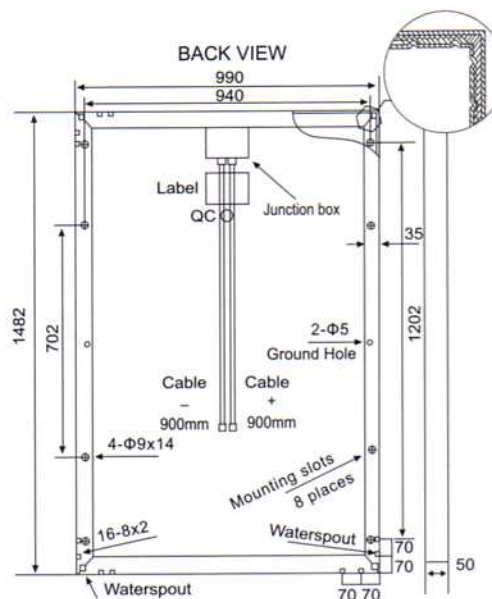




Titan PV Co.,Ltd.

Photovoltaic Modules

TDM200P-B-54 Photovoltaic modules
54pcs 156×156mm poly-crystalline silicon cell



MODULE		TDM200P-B-54				
Encapsulation		Glass/EVA/Cells/EVA/TPT				
Size and Number of cells		156mm×156mm 54/6×9pcs				
Maximum Power(Pmax)	W	180W	190W	200W	210W	220W
Cell Efficiency		14.2%	14.6%	15.4%	16.2%	17.0%
Module Efficiency		12.27%	12.95%	13.63%	14.31%	14.99%
Tolerance		±3%				
Open Circuit Voltage(Voc)	V	32.7V	33.0V	33.4V	33.6V	33.8V
Short Circuit Current(Isc)	A	7.65A	7.89A	8.12A	8.33A	8.35A
Maximum Power Voltage(Vmp)	V	25.8V	26.0V	26.2V	26.4V	27.3V
Maximum power Current(Imp)	A	6.98A	7.31A	7.63A	7.95A	8.06A
Max.syst.Open voltage	V	1000V				
Diodes		6by-pass				
Dimension	mm	1482×990×50				
Weight	kg	18.5				
Operate Temp Scope	°C	-40/+85				
Relative humidity		0 to 100%				

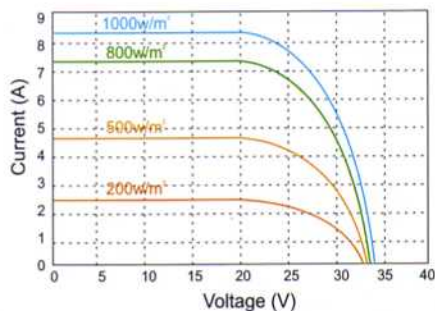
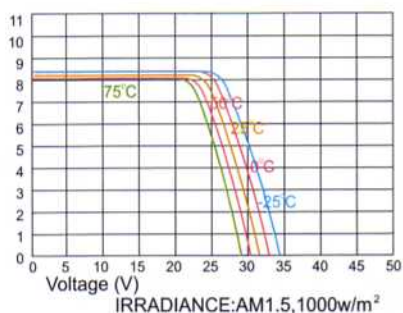
Temperature coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable	4.0mm ² (TUV)	Length	900mm	Connector	MC Type
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Photovoltaic modules 54pcs 156*156mm poly-crystalline silicon cell

The TDM200P 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, the 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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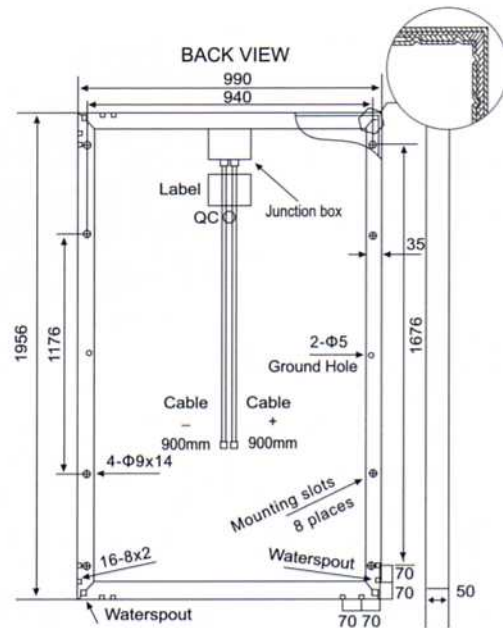




Titan PV Co.,Ltd.

Photovoltaic Modules

TDM280P-B-72 Photovoltaic modules
72pcs 156×156mm poly-crystalline silicon cell



MODULE		TDM280P-B-72				
Encapsulation		Glass/EVA/Cells/EVA/TPT				
Size and Number of cells		156mm×156mm 72/6×12pcs				
Maximum Power(Pmax)	W	240W	250W	260W	270W	280W
Cell Efficiency		14.2%	14.4%	15.0%	15.6%	16.2%
Module Efficiency		12.39%	12.91%	13.43%	13.94%	14.46%
Tolerance		±3%				
Open Circuit Voltage(Voc)	V	43.6V	43.8V	44.0V	44.5V	44.8V
Short Circuit Current(Isc)	A	7.65A	7.87A	8.09A	8.20A	8.33A
Maximum Power Voltage(Vmp)	V	34.4V	34.6V	34.8V	35.0V	35.2V
Maximum power Current(Imp)	A	6.98A	7.23A	7.47A	7.71A	7.95A
Max.syst.Open voltage	V	1000V				
Diodes		6by-pass				
Dimension	mm	1956×356×35				
Weight	kg	10				
Operate Temp Scope	°C	-40/+85				
Relative humidity		0 to 100%				

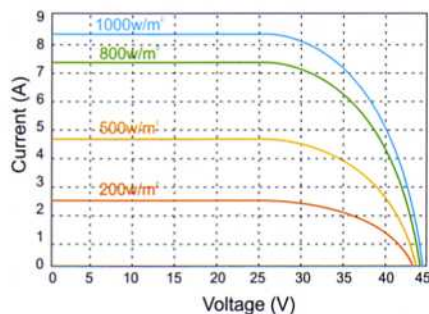
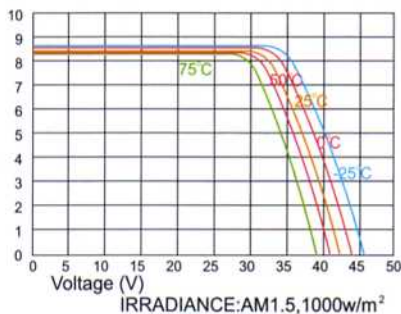
Temperature coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable	4.0mm ² (TUV)	Length	900mm	Connector	MC Type
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Photovoltaic modules 72pcs 156*156mm poly-crystalline silicon cell

The TDM280P 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, the 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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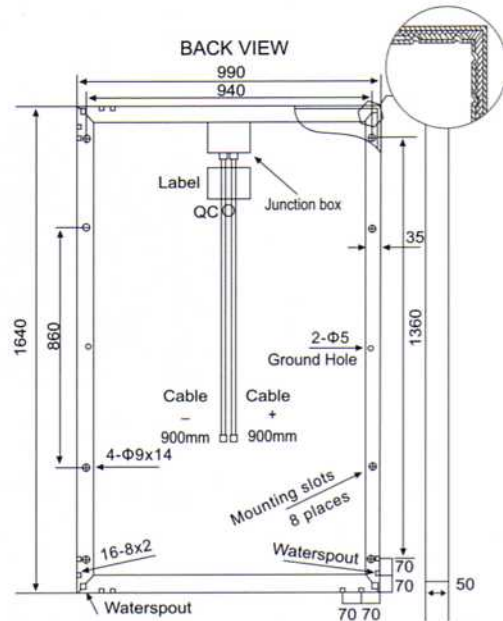




Titan PV Co.,Ltd.

Photovoltaic Modules

TDM220P-B-60 Photovoltaic modules
60pcs 156×156mm poly-crystalline silicon cell



MODULE		TDM220P-B-60				
Encapsulation		Glass/EVA/Cells/EVA/TPT				
Size and Number of cells		156mm×156mm 60/6×10pcs				
Maximum Power(Pmax)	W	200W	210W	220W	230W	240W
Cell Efficiency		14.2%	14.8%	15.4%	16.2%	16.8%
Module Efficiency		12.32%	12.93%	13.55%	14.17%	14.78%
Tolerance		±3%				
Open Circuit Voltage(Voc)	V	36.5V	36.5V	37.0V	37.0V	37.2V
Short Circuit Current(Isc)	A	7.65A	7.88A	8.10A	8.22A	8.33A
Maximum Power Voltage(Vmp)	V	28.6V	29.0V	29.5V	29.8V	30.2V
Maximum power Current(Imp)	A	6.98A	7.24A	7.45A	7.73A	7.95A
Max.syst.Open voltage	V	1000V				
Diodes		6by-pass				
Dimension	mm	1640×990×50				
Weight	kg	21				
Operate Temp Scope	°C	-40/+85				
Relative humidity		0 to 100%				

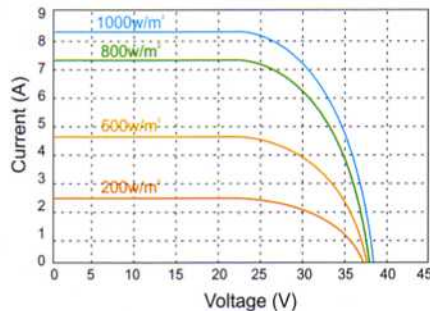
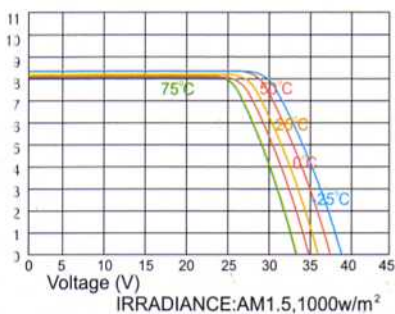
Temperature coefficients

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

NOCT : Nominal Operating Cell Temperature data is only for reference

Output

Cable	4.0mm ² (TUV)	Length	900mm	Connector	MC Type
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Photovoltaic modules 60pcs 156*156mm poly-crystalline silicon cell

The TDM220P 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, the 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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