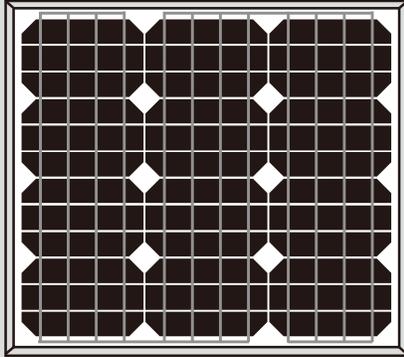




Solar Europe Importers

**MONOCRYSTALLINE
SILICON MODULE**



6M-30

MONOCRYSTALLINE SILICON MODULE

Products Characteristics



Widely using of the most popular and mature type of modules for off-grid system.



Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing



100% EL inspection, ensures modules are defects free.



Cells binned by current to improve module performance



Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.



Outstanding performance in low-light irradiance environments.



Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(2400pa).



High salt and ammonia resistance



Positive power tolerance: 0~+5w



0260



10 years
products
warranty

25 year
power output
warranty

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info@solar-europe.co.za

Warranty

- 10 years product warranty
- 10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty

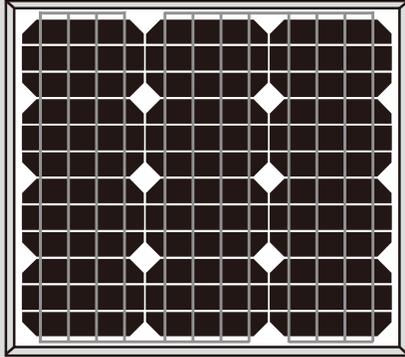
Comprehensive Certificates

- ISO Certificate
- SGS-TUV Certificate
- CQC Certificate
- IEC61215、IEC61730 Certificate
- CE Certificate

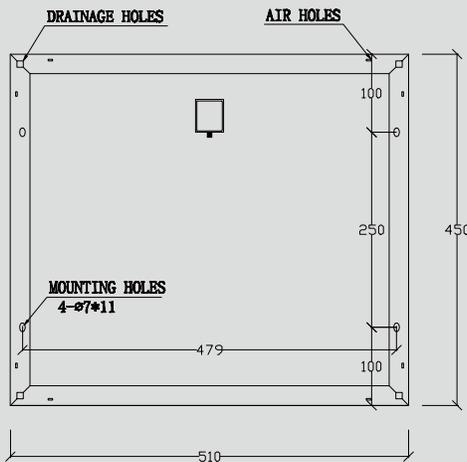
Specifications subject to technology and test conditions,
reserves the right of final interpretation

6M-30

Engineering Drawings (Front Side)



Engineering Drawings (Back Side)



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Raw materials and Mechanical Parameters

	6M-30	6M-35
Type of Cells(mm)	mono156 × 31.2	
NO. of Cells and Connections	3 × 12=36	
Dimensions(mm)(L*W*H)	450 × 510 × 25	
Weight(kg)	2.7	
Glass	3.2mm Tempered Glass	
Encapsulation	EVA	
Backsheet	Multilayer Composite	
Aluminium-Frame	Silvery/Black Anodized aluminium alloy	
Junction-Box	IP65	
Cable	NA, but customized is acceptable	
Connector	NA, but MC4 and MC4 Compatible are acceptable	
Package Configuration	10pcs/ctn	

Performance Parameters

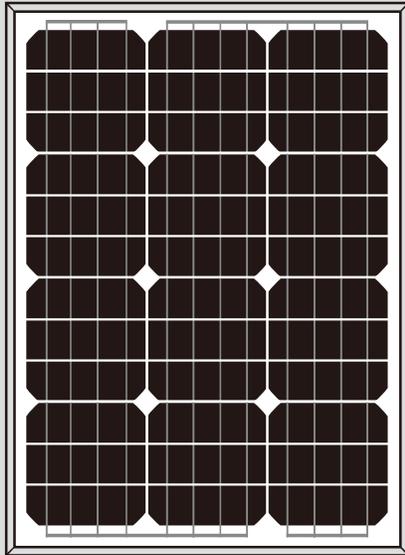
	6M-30	6M-35
Maximum System Voltage	700V	
Operating Temperature	-45~+80°C	
Maximum Series Fuse	/	
Maximum Static Load, Front Side (e.x. Snow, Wind)	2400Pa	
Maximum Static Load, Back Side (e.x. Wind)	2400Pa	
Application Grade	Class A	

Electrical Parameters (Standard Test Condition)

	6M-30	6M-35
Rated Maximum Power(Mp)	30W	35W
Power Tolerance	0- +5W	
Cell Efficiency	17.6%	20.0%
Open Circuit Voltage(Voc)	22.6V	22.6V
Maximum Power Voltage(Vmp)	17.6V	17.8V
Short Circuit Current(Isc)	1.83A	2.08A
Maximum Power Current(Imp)	1.71A	1.97A
Temperature Coefficient of Isc	+0.06%	
Temperature Coefficient of Voc	-0.32%	
Temperature Coefficient of Pmp	-0.45%	
Standard Test Condition	Irradiance:1000W/M2, Cell Temperature:25°C, Spectrum AM:1.5	

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.

MONOCRYSTALLINE SILICON MODULE



10 years products warranty

25 year power output warranty

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Solar Europe Importers

6M-55

MONOCRYSTALLINE SILICON MODULE

Products Characteristics



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Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing



100% EL inspection, ensures modules are defects free.



Cells binned by current to improve module performance



Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.



Outstanding performance in low-light irradiance environments.



Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).



High salt and ammonia resistance



Positive power tolerance:0~+5w

Warranty

- 10 years product warranty
- 10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty

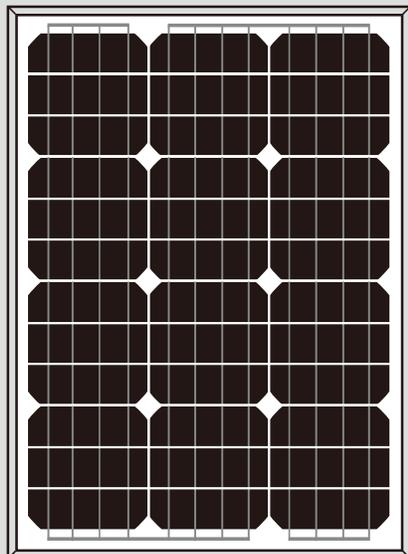
Comprehensive Certificates

- ISO Certificate
- SGS-TUV Certificate
- CQC Certificate
- IEC61215、IEC61730 Certificate
- CE Certificate

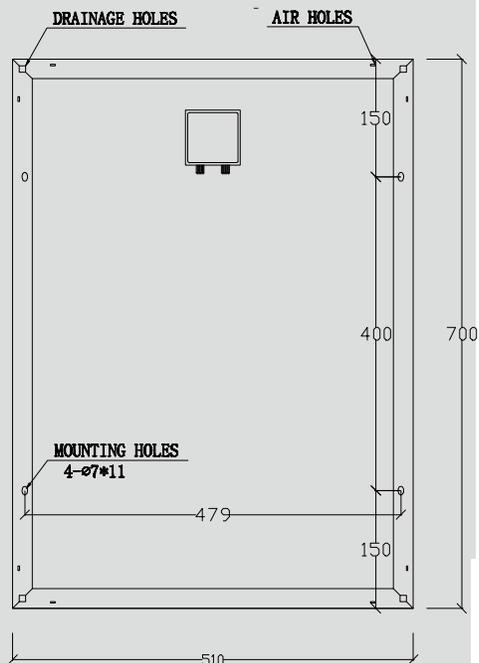
Specifications subject to technology and test conditions, reserves the right of final interpretation

6M-55

Engineering Drawings (Front Side)



Engineering Drawings (Back Side)



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Raw materials and Mechanical Parameters

	6M-50	6M-55	6M-60
Type of Cells(mm)	mono156 × 52		
NO. of Cells and Connections	3 × 12=36		
Dimensions(mm)(L*W*H)	700 × 510 × 30		
Weight(kg)	4.5		
Glass	3.2mm Tempered Glass		
Encapsulation	EVA		
Backsheet	Multilayer Composite		
Aluminium-Frame	Silvery/Black Anodized aluminium alloy		
Junction-Box	IP65/IP67		
Cable	NA, but customized is acceptable		
Connector	NA, but MC4 and MC4 Compatible are acceptable		
Package Configuration	6pcs/ctn		

Performance Parameters

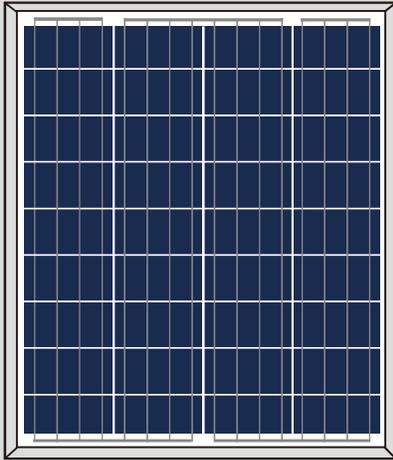
	6M-50	6M-55	6M-60
Maximum System Voltage	700V		
Operating Temperature	-45~+80°C		
Maximum Series Fuse	10A		
Maximum Static Load, Front Side (e.x. Snow, Wind)	5400Pa		
Maximum Static Load, Back Side (e.x. Wind)	2400Pa		
Application Grade	Class A		

Electrical Parameters (Standard Test Condition)

	6M-50	6M-55	6M-60
Rated Maximum Power(Mp)	50W	55W	60W
Power Tolerance	0- +5W	0- +5W	0- +5W
Cell Efficiency	17.4%	19.1%	20.8%
Open Circuit Voltage(Voc)	22.1V	22.7V	23.4V
Maximum Power Voltage(Vmp)	18.1V	18.6V	19.1V
Short Circuit Current(Isc)	2.93A	3.13A	3.33A
Maximum Power Current(Imp)	2.76A	2.96A	3.14A
Temperature Coefficient of Isc	+0.06%		
Temperature Coefficient of Voc	-0.32%		
Temperature Coefficient of Pmp	-0.45%		
Standard Test Condition	Irradiance:1000W/M2, Cell Temperature:25°C, Spectrum AM:1.5		

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.

POLYCRYSTALLINE SILICON MODULE



0260



10 years
products
warranty

25 year
power output
warranty

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6P-80 POLYCRYSTALLINE SILICON MODULE

Products Characteristics



Widely using of the most popular and mature type of modules for off-grid system.



Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing



100% EL inspection, ensures modules are defects free.



Cells binned by current to improve module performance



Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.



Outstanding performance in low-light irradiance environments.



Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).



High salt and ammonia resistance



Positive power tolerance:0~+5w

Warranty

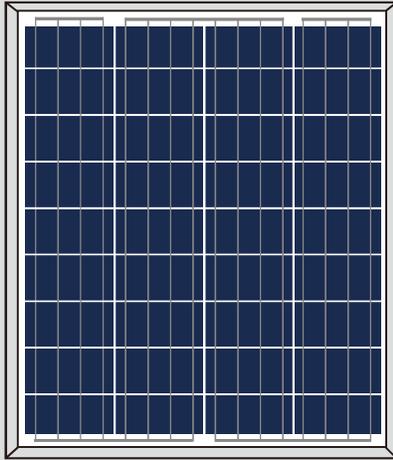
- 10 years product warranty
- 10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty

Comprehensive Certificates

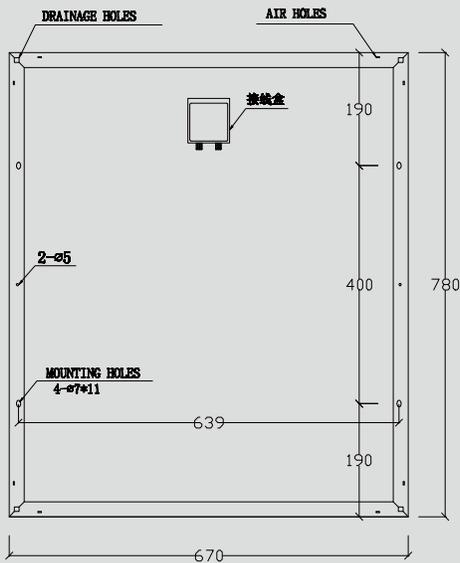
- ISO Certificate
- SGS-TUV Certificate
- CQC Certificate
- IEC61215、IEC61730 Certificate
- CE Certificate

Specifications subject to technology and test conditions,
reserves the right of final interpretation

▼ Engineering Drawings (Front Side)



▼ Engineering Drawings (Back Side)



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Raw materials and Mechanical Parameters

	6P-70	6P-75	6P-80
Type of Cells(mm)	poly156×78/156×39		
NO. of Cells and Connections	4×9=36/4×18=72		
Dimensions(mm)(L*W*H)	780×670×30		
Weight(kg)	5.9		
Glass	3.2mm Tempered Glass		
Encapsulation	EVA		
Backsheet	Multilayer Composite		
Aluminium-Frame	Silvery/Black Anodized aluminium alloy		
Junction-Box	IP65/IP67		
Cable	NA, but customized is acceptable		
Connector	NA, but MC4 and MC4 Compatible are acceptable		
Package Configuration	6pcs/ctn		

Performance Parameters

	6P-70	6P-75	6P-80
Maximum System Voltage	700V		
Operating Temperature	-45~+80°C		
Maximum Series Fuse	10A		
Maximum Static Load, Front Side (e.x. Snow, Wind)	5400PA		
Maximum Static Load, Back Side (e.x. Wind)	2400PA		
Application Grade	Class A		

Electrical Parameters (Standard Test Condition)

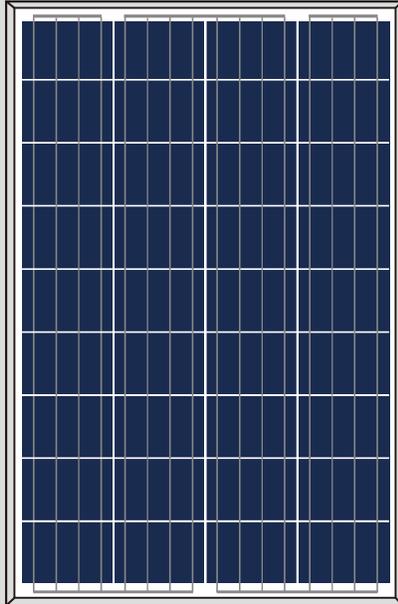
	6P-70	6P-75	6P-80
Rated Maximum Power(Mp)	70W	75W	80W
Power Tolerance	0~+5W		
Cell Efficiency	16.2%	17.2%	18.3%
Open Circuit Voltage(Voc)	21.5V	22.3V	22.6V
Maximum Power Voltage(Vmp)	17.6V	18.2V	18.5V
Short Circuit Current(Isc)	4.22A	4.37A	4.58A
Maximum Power Current(Imp)	3.98A	4.12A	4.32A
Temperature Coefficient of Isc	+0.06%		
Temperature Coefficient of Voc	-0.33%		
Temperature Coefficient of Pmp	-0.45%		
Standard Test Condition	Irradiance:1000W/M2, Cell Temperature:25°C, Spectrum AM:1.5		

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.



Solar Europe Importers

POLYCRYSTALLINE SILICON MODULE



0260



10 years products warranty

25 year power output warranty

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6P-100

POLYCRYSTALLINE SILICON MODULE

Products Characteristics



Widely using of the most popular and mature type of modules for off-grid system.



Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing



100% EL inspection, ensures modules are defects free.



Cells binned by current to improve module performance



Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.



Outstanding performance in low-light irradiance environments.



Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).



High salt and ammonia resistance



Positive power tolerance: 0~+5w

Warranty

- 10 years product warranty
- 10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty

Comprehensive Certificates

- ISO Certificate
- SGS-TUV Certificate
- CQC Certificate
- IEC61215、IEC61730 Certificate
- CE Certificate

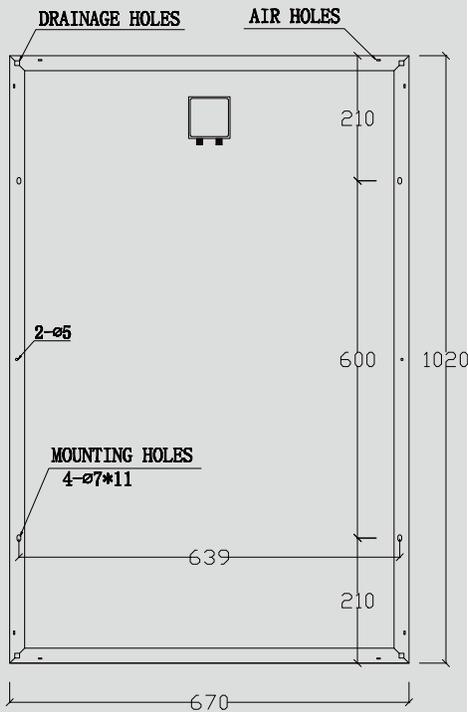
Specifications subject to technology and test conditions,
r reserves the right of final interpretation

6P-100

▼ Engineering Drawings (Front Side)



▼ Engineering Drawings (Back Side)



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Raw materials and Mechanical Parameters

	6P-100	6P-105	6P-110
Type of Cells(mm)	pvoly156 × 104/156 × 52		
NO. of Cells and Connections	4 × 9=36/4 × 18=72		
Dimensions(mm)(L*W*H)	1020 × 670 × 30		
Weight(kg)	7.7		
Glass	3.2mm Tempered Glass		
Encapsulation	EVA		
Backsheet	Multilayer Composite		
Aluminium-Frame	Silvery/Black Anodized aluminium alloy		
Junction-Box	IP65/IP67		
Cable	NA, but customized is acceptable		
Connector	NA, but MC4 and MC4 Compatible are acceptable		
Package Configuration	4pcs/ctn		

Performance Parameters

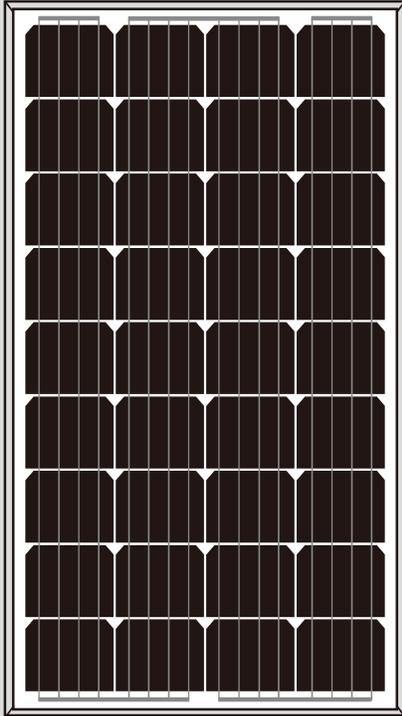
	6P-100	6P-105	6P-110
Maximum System Voltage	700V		
Operating Temperature	-45~+80°C		
Maximum Series Fuse	10A		
Maximum Static Load, Front Side (e.x. Snow, Wind)	5400PA		
Maximum Static Load, Back Side (e.x. Wind)	2400PA		
Application Grade	Class A		

Electrical Parameters (Standard Test Condition)

	6P-100	6P-105	6P-110
Rated Maximum Power(Mp)	100W	105W	110W
Power Tolerance	0- +5W		
Cell Efficiency	17.2%	18.0%	18.9%
Open Circuit Voltage(Voc)	22.3V	22.5V	22.9V
Maximum Power Voltage(Vmp)	18.2V	18.4V	18.7V
Short Circuit Current(Isc)	5.82A	6.05A	6.24A
Maximum Power Current(Imp)	5.49A	5.71A	5.88A
Temperature Coefficient of Isc	+0.06%		
Temperature Coefficient of Voc	-0.33%		
Temperature Coefficient of Pmp	-0.45%		
Standard Test Condition	Irradiance:1000W/M2, Cell Temperature:25°C, Spectrum AM:1.5		

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.

MONOCRYSTALLINE SILICON MODULE



10 years
products
warranty

25 year
power output
warranty

www.solar-europe.co.za
info@solar-europe.co.za

6M-120 MONOCRYSTALLINE SILICON MODULE

Products Characteristics



Widely using of the most popular and mature type of modules for off-grid system.



Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing



100% EL inspection, ensures modules are defects free.



Cells binned by current to improve module performance



Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.



Outstanding performance in low-light irradiance environments.



Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).



High salt and ammonia resistance



Positive power tolerance:0~+5w

Warranty

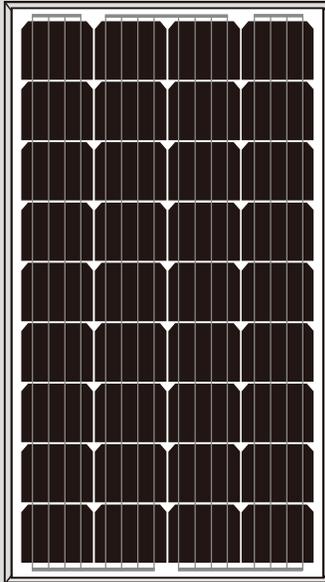
- 5 years product warranty
- 10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty

Comprehensive Certificates

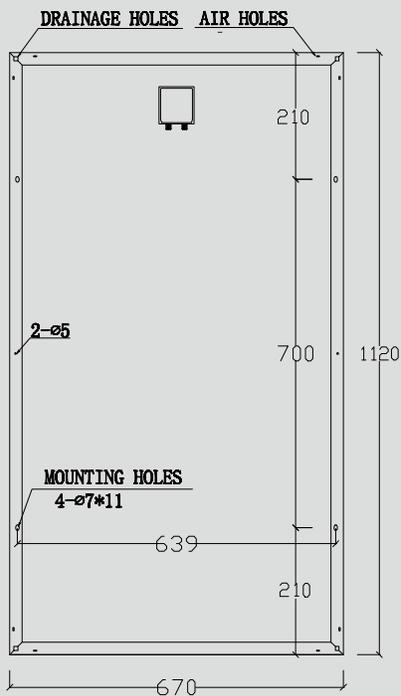
- ISO Certificate
- SGS-TUV Certificate
- CQC Certificate
- IEC61215、IEC61730 Certificate
- CE Certificate

Specifications subject to technology and test conditions, reserves the right of final interpretation

Engineering Drawings (Front Side)



Engineering Drawings (Back Side)



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Raw materials and Mechanical Parameters

	6M-120	6M-125	6M-130
Type of Cells(mm)	mono156 × 117		
NO. of Cells and Connections	4 × 9=36		
Dimensions(mm)(L*W*H)	1120 × 670 × 30		
Weight(kg)	8.4		
Glass	3.2mm Tempered Glass		
Encapsulation	EVA		
Backsheet	Multilayer Composite		
Aluminium-Frame	Silvery/Black Anodized aluminium alloy		
Junction-Box	IP65/IP67		
Cable	NA, but customized is acceptable		
Connector	NA, but MC4 and MC4 Compatible are acceptable		
Package Configuration	4pcs/ctn		

Performance Parameters

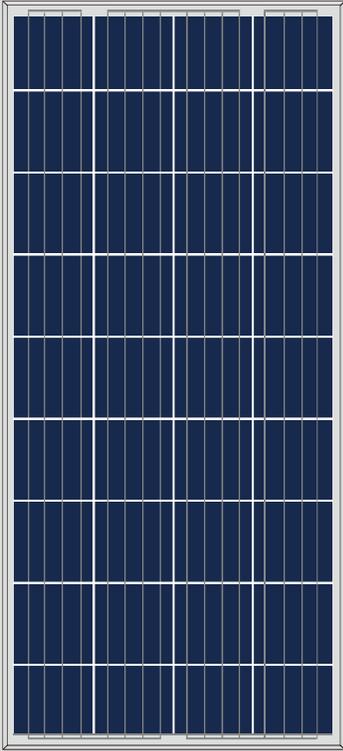
	6M-120	6M-125	6M-130
Maximum System Voltage	700V		
Operating Temperature	-45~+80°C		
Maximum Series Fuse	10A		
Maximum Static Load, Front Side (e.x. Snow, Wind)	5400Pa		
Maximum Static Load, Back Side (e.x. Wind)	2400Pa		
Application Grade	Class A		

Electrical Parameters (Standard Test Condition)

	6M-120	6M-125	6M-130
Rated Maximum Power(Mp)	120W	125W	130W
Power Tolerance	0- +5W		
Cell Efficiency	18.6%	19.3%	20.0%
Open Circuit Voltage(Voc)	22.7V	23.0V	23.1V
Maximum Power Voltage(Vmp)	18.6V	18.8V	18.9V
Short Circuit Current(Isc)	6.84A	7.05A	7.29A
Maximum Power Current(Imp)	6.45A	6.65A	6.88A
Temperature Coefficient of Isc	+0.06%		
Temperature Coefficient of Voc	-0.32%		
Temperature Coefficient of Pmp	-0.45%		
Standard Test Condition	Irradiance:1000W/M2, Cell Temperature:25°C, Spectrum AM:1.5		

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.

POLYCRYSTALLINE SILICON MODULE



10 years
products
warranty

25 year
power output
warranty



Solar Europe Importers

6P-160

POLYCRYSTALLINE SILICON MODULE

Products Characteristics



Widely using of the most popular and mature type of modules for off-grid system.



Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing



100% EL inspection, ensures modules are defects free.



Cells binned by current to improve module performance



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Outstanding performance in low-light irradiance environments.



Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).



High salt and ammonia resistance



Positive power tolerance:0~+5w

Warranty

- 10years product warranty
- 10-years 90% of Min. rated output power,and 25-years 80% of Min. rated output power warranty

Comprehensive Certificates

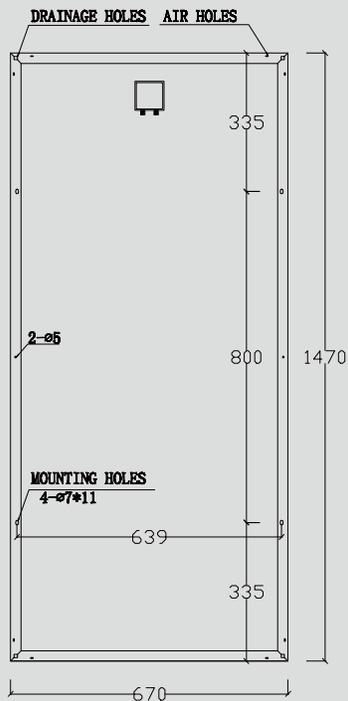
- ISO Certificate
- SGS-TUV Certificate
- CQC Certificate
- IEC61215、IEC61730 Certificate
- CE Certificate

Specifications subject to technology and test conditions, reserves the right of final interpretation

▼ Engineering Drawings (Front Side)



▼ Engineering Drawings (Back Side)



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Raw materials and Mechanical Parameters

	6P-150	6P-155	6P-160	6P-165
Type of Cells(mm)	poly156 × 156			
NO. of Cells and Connections	4 × 9=36			
Dimensions(mm)(L*W*H)	1470 × 670 × 30			
Weight(kg)	11.0			
Glass	3.2mm Tempered Glass			
Encapsulation	EVA			
Backsheet	Multilayer Composite			
Aluminium-Frame	Silvery/Black Anodized aluminium alloy			
Junction-Box	IP65/IP67			
Cable	NA, but customized is acceptable			
Connector	NA, but MC4 and MC4 Compatible are acceptable			
Package Configuration	4pcs/ctn			

Performance Parameters

	6P-150	6P-155	6P-160	6P-165
Maximum System Voltage	700V			
Operating Temperature	-45~+80°C			
Maximum Series Fuse	10A			
Maximum Static Load, Front Side (e.x. Snow, Wind)	5400PA			
Maximum Static Load, Back Side (e.x. Wind)	2400PA			
Application Grade	Class A			

Electrical Parameters (Standard Test Condition)

	6P-150	6P-155	6P-160	6P-165
Rated Maximum Power(Mp)	150W	155W	160W	165W
Power Tolerance	0- +5W			
Cell Efficiency	17.2%	17.8%	18.3%	18.9%
Open Circuit Voltage(Voc)	22.3V	22.5V	22.7V	23.1V
Maximum Power Voltage(Vmp)	18.2V	18.4V	18.6V	18.9V
Short Circuit Current(Isc)	8.75A	8.94A	9.13A	9.25A
Maximum Power Current(Imp)	8.25A	8.43A	8.61A	8.73A
Temperature Coefficient of Isc	+0.06%			
Temperature Coefficient of Voc	-0.33%			
Temperature Coefficient of Pmp	-0.45%			
Standard Test Condition	Irradiance:1000W/M2, Cell Temperature:25°C, Spectrum AM:1.5			

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.