



# *Solarvista*™



# *Solarvista*™

Manufacturer of Solar Panel System

*the best solution  
for solar power*



**A concern of Polar Vista International Co., Ltd.**

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WELCOME TO

**Solarvista™**

Manufacturer of Solar Panel System

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Solarvista is dedicated to be a world-leading solar module and PV power generation solutions provider. We are specialized on producing highly qualified and high efficient solar cell and solar module ranging from 5W to 300W both monocrystalline and polycrystalline. We also can provide technical consultation support for our end installers' on/off-grid PV system.



our market share and guarantee our excellent product quality and services. In 2011, our module production capacity increases to be 200MW from 2010's 100MW with 150MW monocrystalline solar cell production capacity. We strictly carry out ISO9001 quality management system. With our internal R&D Center, we implement strict inspections on in-coming control, process control and out-going control. Our products had been obtained IEC61215 Ed.2, IEC61730, UL1703 certificates. We can provide double-warranty to our customers, including Solarvista product warranty.

We focus on building long-term partnerships with distributors and PV integrators. Through our passionate employees and strongly cooperative R&D capabilities, we can react quickly to customers' needs with excellent and stable products and close services.

Solarvista has been carrying out the globalized marketing and sales strategy. After over six years of hard efforts, we are becoming more and more internationalized. Our products and solutions have been deployed in over 10 countries and regions. We established our offices of distribution net works in Hong Kong, Taiwan, India and other Countries of South East Asia, with which we can get closer with our customers, listen to them and react quickly for their needs.



## OUR MISSION

To focus on our customers' market challenges and needs by providing excellent solar modules and PV power generation solutions in order to consistently create maximum value for customers.

## OUR VISION

Contributing to the world's green energy development and alleviating world's energy crisis.

## A GREEN COMPANY

We recognize our responsibility as a global citizen and specifically as a green-energy technology manufacturer we continually strive to reduce the environmental impact of the work we do and the products we create. Protecting the environment is critical to the conservation of precious natural resources and the continued health of our planet. We are constantly working to minimize our impact on the environment. We have an active recycling program both for our office and production facilities as well as for our products which are designed to be recyclable.

**Solarvista™**  
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Solarvista has been carrying out the globalized marketing and sales strategy. After over six years of hard efforts, we are becoming more and more internationalized. Our products and solutions have been deployed in over 10 countries and regions. We established our offices of distribution net works in Hong Kong, Taiwan, India and other Countries of South East Asia, with which we can get closer with our customers, listen to them and react quickly for their needs.

## HIGH QUALITY SOLAR MODULE

Monocrystalline Silicon Solar Module | Polycrystalline Silicon Solar Module

- High efficiency solar cells ensures high performance of solar module and create more power in peak hours.
- 3.2mm high transmissive Low iron tempered glass, EVA laminate and water-proof TPT yield long life modules while enhancing cell performance.
- Bypass diodes to avoid hot-spot effect.
- Pre-cables with fast-connecting systems for convenient installation.
- Stable, heavy duty anodized aluminum frames with convenient mounting-access, for high wind-pressure.
- 25-year Limited Power Warranty.
- Solarvista PV modules offer industry leading high performance and are designed specifically to meet our clients demands for residential, commercial and industrial use-from small installation to multimegawatt power plants.



**Solarvista™**  
Manufacturer of Solar Panel System

# QUALITY ASSURANCE



# QUALITY SUPERVISION

Each silicon cell is inspected both on the electronic performance and surface color consistent. Every Solarvista is tested via a calibrated solar simulator to ensure minimum labeled electrical ratings for power, voltage and current. Every two hours, Solar Simulator will be calibrated by Master Module. Each Module is sorted out by current to avoid output power loss and guarantee better electronic performance. 100% of Solarvista Solar Panel System are made by using Grade A cells, allow us to carefully ensure quality at module assemble production.



# SV280-24M HIGH EFFICIENCY MONO-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±3%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	72 Mono-crystalline 156×156mm
Front Glass	4.0mm tempered
Junction Box	IP 65 rated
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	24kg
Dimension	1968×1000×50mm

## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Safety tested IEC61730, CE

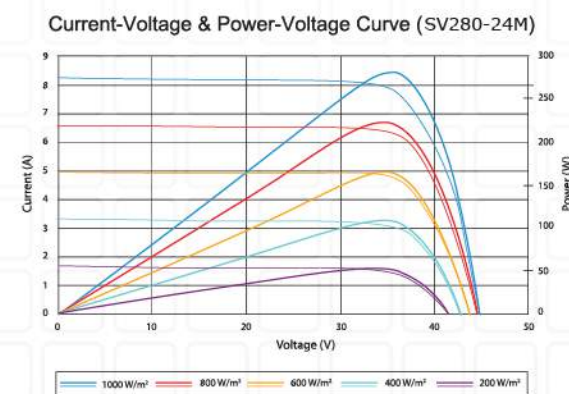
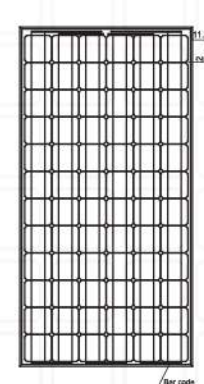
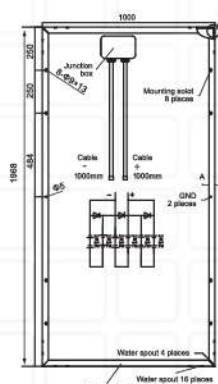
## ELECTRICAL DATA

Module Type	SL280-24M300	SL280-24M290	SL280-24M280	SL280-20M270
Nominal Peak Power(Wp)	300W	290W	280W	270W
Nominal Voltage(Vmp)	36.2V	36.0V	35.8V	35.7V
Nominal Current(Imp)	8.28A	8.05A	7.82A	7.56A
Open Circuit Voltage(Voc)	45.0V	44.8V	44.5V	44.4V
Short Circuit Current(Isc)	9.13A	9.0A	8.86A	8.66A
Module Efficiency	15.2%	14.7%	14.2%	13.7%
Operating Temperate	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC	1000V DC

STC: 1000W/m², 25°C, AM=1.5

Maximum Power (Pmax)	239W	232W	224W	216W
Nominal Voltage (Vmp)	36.1V	35.9V	35.7V	35.6V
Nominal Current (Imp)	6.63A	6.44A	6.26A	6.05A
Open Circuit Voltage (Voc)	44.8V	44.6V	44.3V	44.2V
Short Circuit Current (Isc)	7.31A	7.21A	7.10A	6.94A

STC: 800W/m², 25°C, AM=1.5



# SV220-20M HIGH EFFICIENCY MONO-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±3%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	60 Mono-crystalline 156×156mm
Front Glass	3.2mm tempered
Junction Box	IP 65 or IP67rated (Aluminium)
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	20kg
Dimension	1652×1000×50mm

## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Safety tested IEC61730, CE

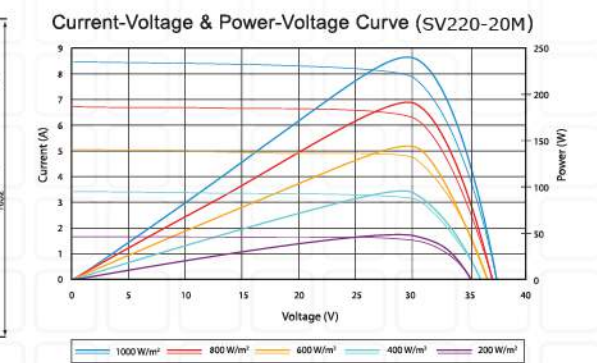
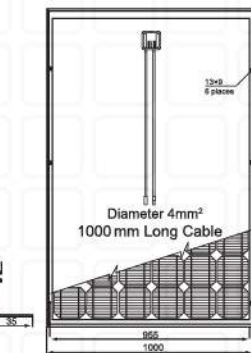
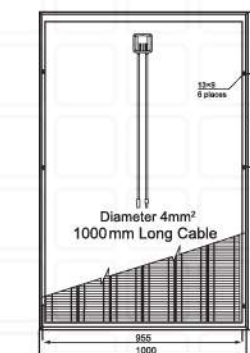
## ELECTRICAL DATA

Module Type	SL220-20M220	SL220-20M230	SL220-20M240	SL220-20M245
Nominal Peak Power(Wp)	220W	230W	240W	245W
Nominal Voltage(Vmp)	29.5V	29.9V	30.1V	30.3V
Nominal Current(Imp)	7.46A	7.69A	7.97A	8.08A
Open Circuit Voltage(Voc)	36.8V	37.2V	37.2V	37.2V
Short Circuit Current(Isc)	8.06A	8.24A	8.60A	8.66A
Module Efficiency	13.3%	13.9%	14.5%	14.8%
Operating Temperate	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC	1000V DC

STC: 1000W/m², 25°C, AM=1.5

Maximum Power (Pmax)	176W	184W	188W	196W
Nominal Voltage (Vmp)	29.4V	29.8V	29.9V	30.2V
Nominal Current (Imp)	5.97A	6.16A	6.27A	6.47A
Open Circuit Voltage (Voc)	36.6V	37.0V	37.0V	37.0V
Short Circuit Current (Isc)	6.45A	6.60A	6.73A	6.94A

STC: 800W/m², 25°C, AM=1.5



# SV220-20P HIGH EFFICIENCY POLY-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±2%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	60 Poly-crystalline 156×156mm
Front Glass	3.2mm tempered
Junction Box	IP 65 rated or IP 67 rated (Aluminium)
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	24kg
Dimension	1652×1000×50mm

## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Safety tested IEC61730, CE

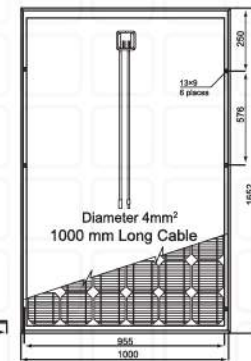
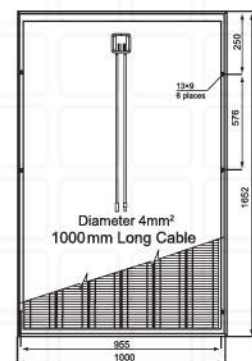
## ELECTRICAL DATA

Module Type	SL220-20P235	SL220-20P230	SL220-20P220
Nominal Peak Power(Wp)	235W	230W	220W
Nominal Voltage(Vmp)	30.0V	29.9V	29.5V
Nominal Current(Imp)	7.83A	7.69A	7.46A
Open Circuit Voltage(Voc)	37.2V	37.2V	36.8V
Short Circuit Current(Isc)	8.60A	8.24A	8.06A
Module Efficiency	14.2%	13.9%	13.3%
Operating Temperate	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC

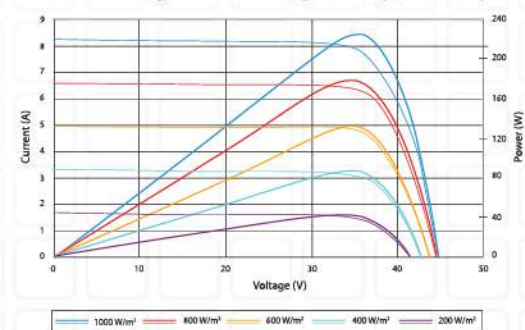
STC: 1000W/m², 25°C, AM=1.5

Maximum Power (Pmax)	188W	184W	176W
Nominal Voltage (Vmp)	29.9V	29.8V	29.4V
Nominal Current (Imp)	6.27A	6.16A	5.97A
Open Circuit Voltage (Voc)	37.0V	37.0V	33.6V
Short Circuit Current (Isc)	6.73A	6.60A	6.45A

STC: 800W/m², 25°C, AM=1.5



Current-Voltage & Power-Voltage Curve (SV220-20P)



# SV200-18M HIGH EFFICIENCY MONO-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±2%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	54 Mono-crystalline 156×156mm
Front Glass	3.2mm tempered
Junction Box	IP65 or IP67 rated (Aluminium)
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	18kg
Dimension	1496×1000×50mm

**ABOUT US**

## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Safety tested IEC61730, CE

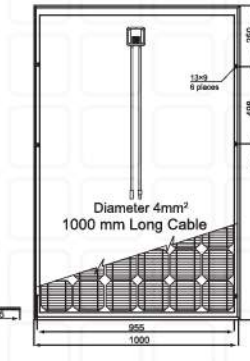
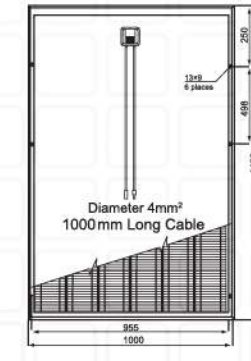
## ELECTRICAL DATA

Module Type	SL200-18M220	SL200-18M210	SL200-18M200	SL200-18M190
Nominal Peak Power(Wp)	220W	210W	200W	190W
Nominal Voltage(Vmp)	27.4V	27.0V	26.6V	26.2V
Nominal Current(Imp)	8.03A	7.78A	7.52A	7.25A
Open Circuit Voltage(Voc)	33.8V	33.6V	33.2V	32.8V
Short Circuit Current(Isc)	8.71A	8.44A	8.36A	8.15A
Module Efficiency	14.7%	14.1%	13.4%	12.7%
Operating Temperate	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC	1000V DC

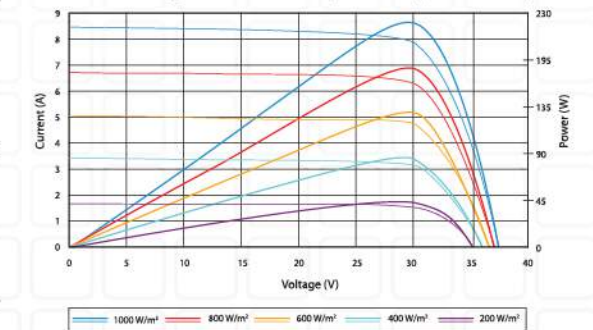
STC:1000W/m², 25°C, AM=1.5

Maximum Power (Pmax)	176W	184W	188W	196W
Nominal Voltage (Vmp)	29.4V	29.8V	29.9V	30.2V
Nominal Current (Imp)	5.97A	6.16A	6.27A	6.47A
Open Circuit Voltage (Voc)	36.6V	37.0V	37.0V	37.0V
Short Circuit Current (Isc)	6.45A	6.60A	6.73A	6.94A

STC:800W/m², 25°C, AM=1.5



Current-Voltage & Power-Voltage Curve (SV200-18M)



# SV200-18P HIGH EFFICIENCY POLY-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±2%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	54 Poly-crystalline 156×156mm
Front Glass	3.2mm tempered
Junction Box	IP 65 or IP 67 rated (Anodized)
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	18kg
Dimension	1496×1000×50mm

## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Safety tested IEC61730, CE

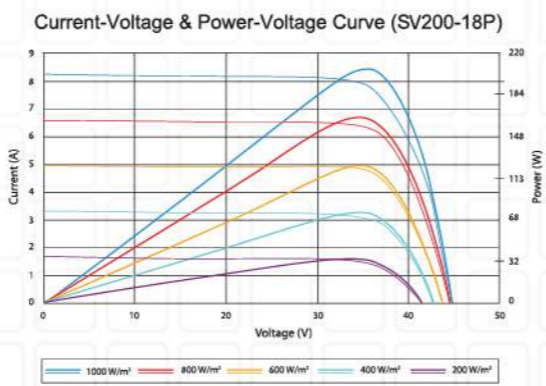
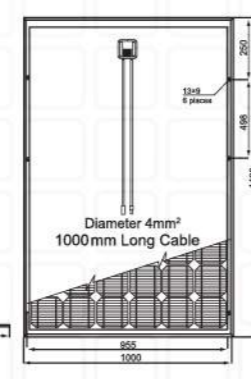
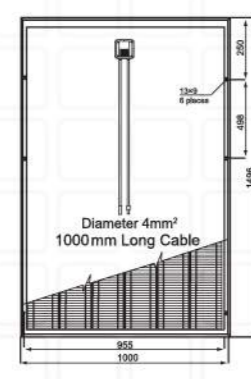
## ELECTRICAL DATA

Module Type	SL200-18P215	SL200-18P210	SL200-18P200
Nominal Peak Power(Wp)	215W	210W	200W
Nominal Voltage(Vmp)	27.2V	27.0V	26.6V
Nominal Current(Imp)	7.90A	7.78A	7.52A
Open Circuit Voltage(Voc)	33.8V	33.6V	33.2V
Short Circuit Current(Isc)	8.57A	8.44A	8.36A
Module Efficiency	14.4%	14.1%	13.4%
Operating Temperate	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC

STC: 1000W/m², 25°C, AM=1.5

Maximum Power (Pmax)	172W	168W	160W
Nominal Voltage (Vmp)	27.1V	26.9V	26.5V
Nominal Current (Imp)	6.32A	6.23A	6.02A
Open Circuit Voltage (Voc)	33.6V	33.4V	33.0V
Short Circuit Current (Isc)	6.86A	6.76A	6.69A

STC: 800W/m², 25°C, AM=1.5



# SV160-24M HIGH EFFICIENCY MONO-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±2%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	72 Mono-crystalline 156×156mm
Front Glass	3.2mm tempered
Junction Box	IP65 or IP67 rated (Aluminium)
Output Cables	1000mm length cable/compliable with MC IV connectors or MC IV CONNECTORS
Frame	Anodized aluminium
Weight	15kg
Dimension	1580×808×35mm

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1580×808×35mm

## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Safety tested IEC61730, CE

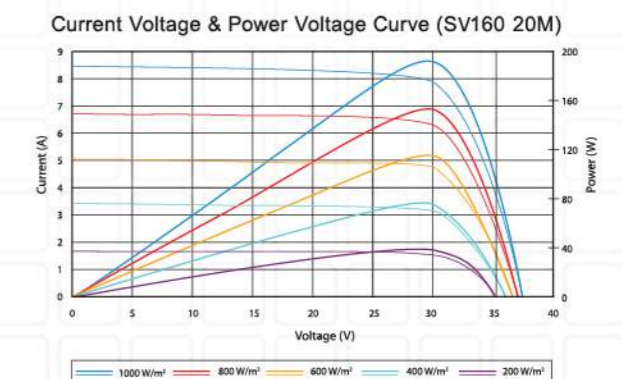
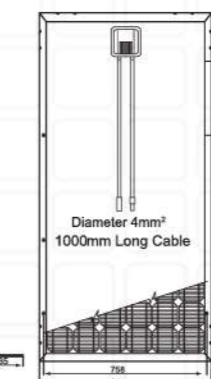
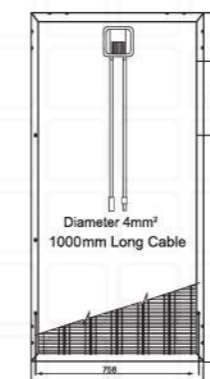
## ELECTRICAL DATA

Module Type	SL160-24M190	SL160-24M185	SL160-24M180	SL160-24M175	SL160-24M170
Nominal Peak Power(Wp)	190W	185W	180W	175W	170W
Nominal Voltage(Vmp)	36.2V	36.2V	36.0V	36.0V	35.9V
Nominal Current(Imp)	5.25A	5.11A	5.00A	4.86A	4.74A
Open Circuit Voltage(Voc)	45.4V	45.2V	45.0V	44.8V	44.5V
Short Circuit Current(Isc)	5.44A	5.32A	5.20A	5.17A	5.12A
Module Efficiency	14.9%	14.5%	14.1%	13.7%	13.3%
Operating Temperate	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC

STC:1000W/m², 25°C, AM=1.5

Maximum Power (Pmax)	176W	176W	184W	188W	196W
Nominal Voltage (Vmp)	29.4V	29.4V	29.8V	29.9V	30.2V
Nominal Current (Imp)	5.97A	5.97A	6.16A	6.27A	6.47A
Open Circuit Voltage (Voc)	36.6V	36.6V	37.0V	37.0V	37.0V
Short Circuit Current (Isc)	6.45A	6.45A	6.60A	6.73A	6.94A

STC:800W/m², 25°C, AM=1.5





# SV060-12P HIGH EFFICIENCY POLY-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±10%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	Mono-crystalline 156×156mm
Frame	Anodized aluminium
Weight	6kg
Dimension	766×654×35mm

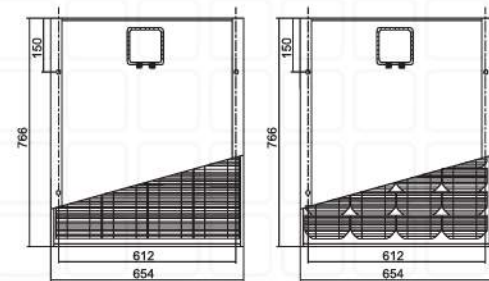
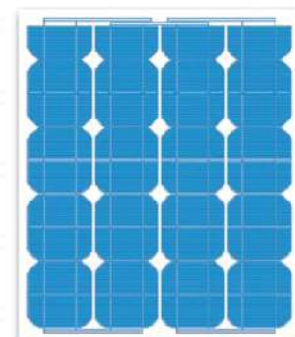
## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Ed.2, IEC61730, CE

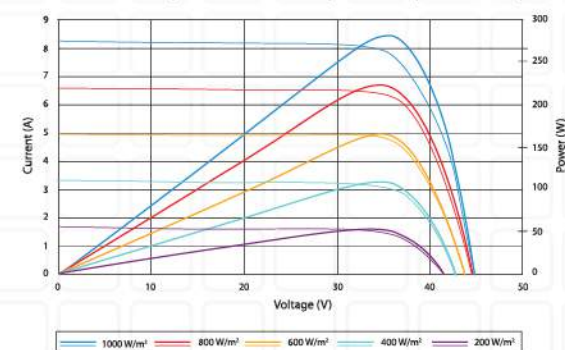
## ELECTRICAL DATA

Module Type	SL060-12P65	SL060-12P60	SL060-12P55
Nominal Peak Power(Wp)	65W	60W	55W
Nominal Voltage(Vmp)	17.2V	17.2V	17.2V
Nominal Current(Imp)	3.78A	3.49A	3.20A
Open Circuit Voltage(Voc)	21.6V	21.6V	21.6V
Short Circuit Current(Isc)	4.30A	3.97A	3.64A
Module Efficiency	13.0%	12.0%	11.0%
Operating Temperate	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC

STC: 1000W/m², 25°C, AM=1.5



Current-Voltage & Power-Voltage Curve (SV060-12P)



# SL050-12M HIGH EFFICIENCY MONO-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.36%/°C
Current Temperature Coefficients(Isc)	+0.033%/°C
Power Temperature Coefficient(Pmpp)	-0.47%/°C
Minimum Power Tolerance	±10%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	Mono-crystalline 125×83mm
Frame	Anodized aluminium
Weight	5.1kg
Dimension	760×535×35mm

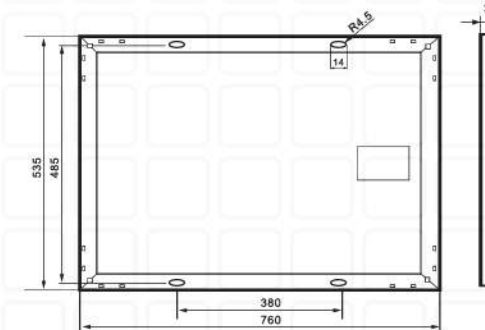
## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Ed.2, IEC61730, CE

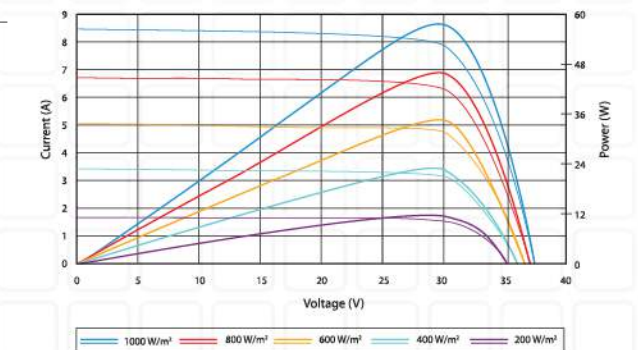
## ELECTRICAL DATA

Module Type	SL050-12M50
Nominal Peak Power(Wp)	50W
Nominal Voltage(Vmp)	17.2V
Nominal Current(Imp)	2.91A
Open Circuit Voltage(Voc)	21.6V
Short Circuit Current(Isc)	3.23A
Module Efficiency	12.3%
Operating Temperate	-40~+85°C
Maximum System Voltage	1000V DC

STC:1000W/m², 25°C, AM=1.5



Current-Voltage & Power-Voltage Curve (SV050-12P)



# SV060-12P HIGH EFFICIENCY POLY-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±10%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	Mono-crystalline 156×156mm
Frame	Anodized aluminium
Weight	6kg
Dimension	766×654×35mm

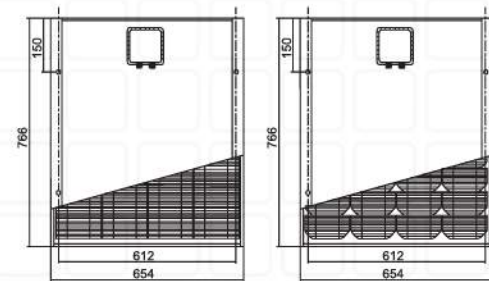
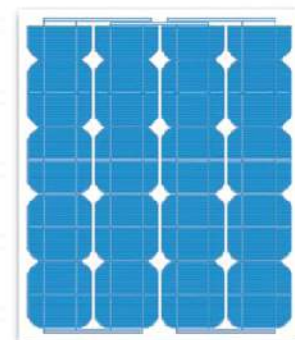
## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Ed.2, IEC61730, CE

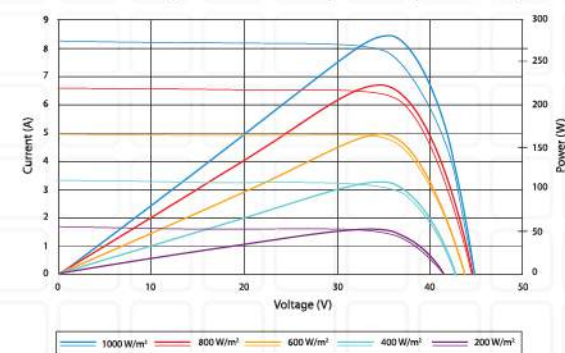
## ELECTRICAL DATA

Module Type	SL060-12P65	SL060-12P60	SL060-12P55
Nominal Peak Power(Wp)	65W	60W	55W
Nominal Voltage(Vmp)	17.2V	17.2V	17.2V
Nominal Current(Imp)	3.78A	3.49A	3.20A
Open Circuit Voltage(Voc)	21.6V	21.6V	21.6V
Short Circuit Current(Isc)	4.30A	3.97A	3.64A
Module Efficiency	13.0%	12.0%	11.0%
Operating Temperate	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC

STC: 1000W/m², 25°C, AM=1.5



Current-Voltage & Power-Voltage Curve (SV060-12P)



# SL050-12M HIGH EFFICIENCY MONO-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.36%/°C
Current Temperature Coefficients(Isc)	+0.033%/°C
Power Temperature Coefficient(Pmpp)	-0.47%/°C
Minimum Power Tolerance	±10%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	Mono-crystalline 125×83mm
Frame	Anodized aluminium
Weight	5.1kg
Dimension	760×535×35mm

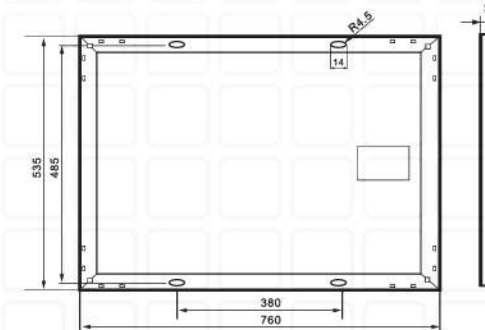
## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Ed.2, IEC61730, CE

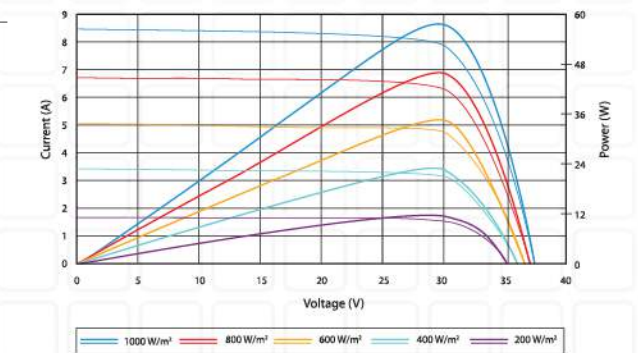
## ELECTRICAL DATA

Module Type	SL050-12M50
Nominal Peak Power(Wp)	50W
Nominal Voltage(Vmp)	17.2V
Nominal Current(Imp)	2.91A
Open Circuit Voltage(Voc)	21.6V
Short Circuit Current(Isc)	3.23A
Module Efficiency	12.3%
Operating Temperate	-40~+85°C
Maximum System Voltage	1000V DC

STC:1000W/m², 25°C, AM=1.5



Current-Voltage & Power-Voltage Curve (SV050-12P)



# SV040-12M HIGH EFFICIENCY MONO-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±10%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	Mono-crystalline 156×156mm
Frame	Anodized aluminium
Weight	4kg or 4.2kg
Dimension	570×535×35 or 620×535×35mm

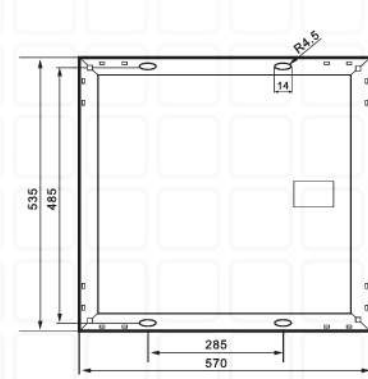
## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Ed.2, IEC61730, CE

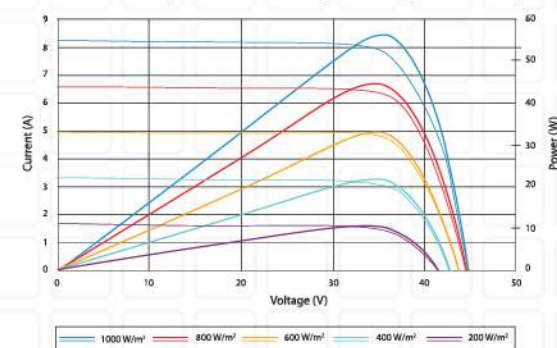
## ELECTRICAL DATA

Module Type	SL040-12M40	SL040-12M40
Nominal Peak Power(Wp)	40W	40W
Nominal Voltage(Vmp)	17.5V	17.2V
Nominal Current(Imp)	2.29A	2.33A
Open Circuit Voltage(Voc)	22V	21.6V
Short Circuit Current(Isc)	2.54A	2.58A
Module Efficiency	13.2%	12%
Operating Temperate	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC

STC: 1000W/m², 25°C, AM=1.5



Current-Voltage & Power-Voltage Curve (SV040-12M)



# SL030-12M HIGH EFFICIENCY MONO-CRYSTALLINE SOLAR MODULE

## TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±10%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

## MECHANICAL DATE

Solar Cell	Mono-crystalline 156×156mm
Frame	Anodized aluminium
Weight	2.8kg
Dimension	535×425×25mm

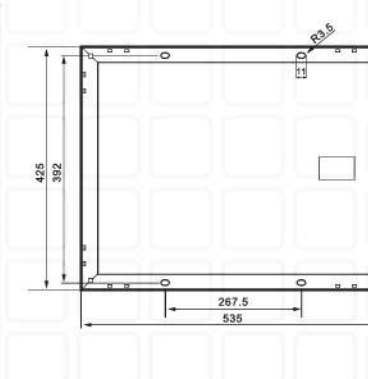
## WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Ed.2, IEC61730, CE

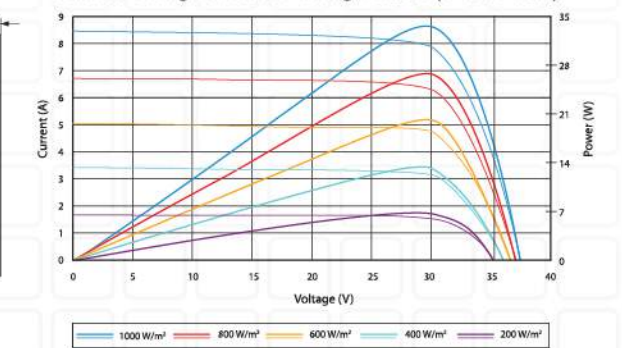
## ELECTRICAL DATA

Module Type	SL030-12M30
Nominal Peak Power(Wp)	30W
Nominal Voltage(Vmp)	17.5V
Nominal Current(Imp)	1.71A
Open Circuit Voltage(Voc)	22V
Short Circuit Current(Isc)	1.9A
Module Efficiency	13.2%
Operating Temperate	-40~+85°C
Maximum System Voltage	1000V DC

STC:1000W/m², 25°C, AM=1.5



Current-Voltage & Power-Voltage Curve (SV030-12M)



## SV020-12M HIGH EFFICIENCY MONO-CRYSTALLINE SOLAR MODULE

### TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±10%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

### MECHANICAL DATE

Solar Cell	Mono-crystalline 156×156mm
Frame	Anodized aluminium
Weight	2.2kg or 2.3kg or 2.4kg
Dimension	595×280×25 mm or 620×280×25 mm or 635×280×25 mm

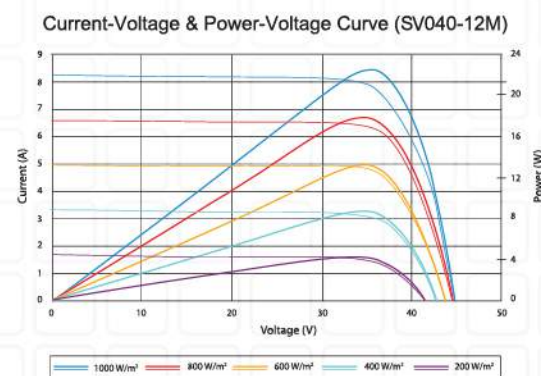
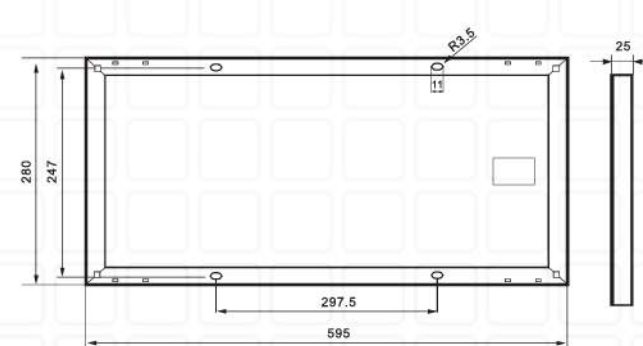
### WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Ed.2, IEC61730, CE

### ELECTRICAL DATA

Module Type	SL020-12M20A	SL020-12M20B	SL020-12M20C
Nominal Peak Power(Wp)	20W	20W	20W
Nominal Voltage(Vmp)	17.5V	17.2V	17.2V
Nominal Current(Imp)	1.14A	1.16A	1.16A
Open Circuit Voltage(Voc)	22V	21.6V	21.6V
Short Circuit Current(Isc)	1.27A	1.29A	1.29A
Module Efficiency	12%	11.5%	11.5%
Operating Temperate	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC

STC: 1000W/m², 25°C, AM=1.5



## SL010-12M HIGH EFFICIENCY POLY-CRYSTALLINE SOLAR MODULE

### TEMPERATURE COEFFICIENTS

NOCT	45±2°C
Voltage Temperature Coefficients(Voc)	-0.35%/°C
Current Temperature Coefficients(Isc)	+0.055%/°C
Power Temperature Coefficient(Pmpp)	-0.45%/°C
Minimum Power Tolerance	±10%

NOCT: Npminal Operating cell Temperature: -40°C~+85°C

### MECHANICAL DATE

Solar Cell	Mono-crystalline 156×156mm
Frame	Anodized aluminium
Weight	1.15kg
Dimension	535×425×25mm

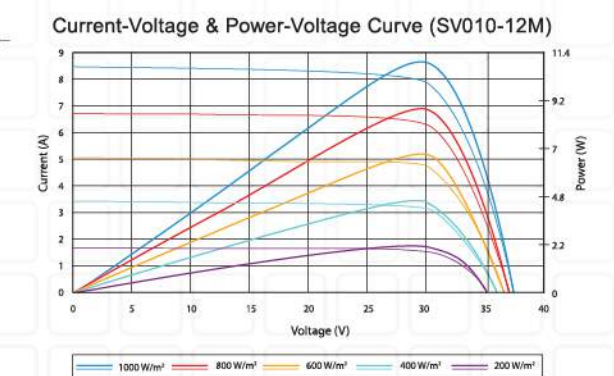
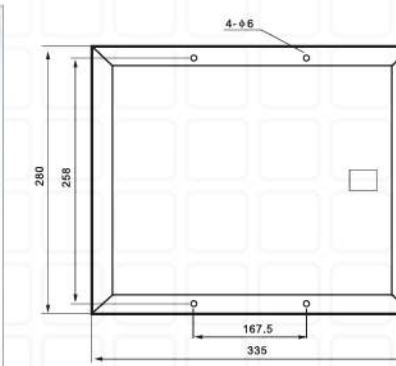
### WARRANTY AND CERTIFICATIONS

Warranty	5 years workmanship, 10 years 90%, 25years 80% power warranty
Certifications	IEC61215, Ed.2, IEC61730, CE

### ELECTRICAL DATA

Module Type	SL010-12M10
Nominal Peak Power(Wp)	10W
Nominal Voltage(Vmp)	17.2V
Nominal Current(Imp)	0.58A
Open Circuit Voltage(Voc)	21.6V
Short Circuit Current(Isc)	0.64A
Module Efficiency	11%
Operating Temperate	-40~+85°C
Maximum System Voltage	1000V DC

STC:1000W/m², 25°C, AM=1.5



COMPLETED PROJECTS

