

Mono SolarPro 40-450W

Introduction

Solarpro MONO singlemodule Assembled with PERC cells, the configuration of the modules offers the advantages of higher power output, cells temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.



Higher Durability

The multi-busbar design can decrease the risk of the cell micro-cracks and fingers broken.



High Power Density

High conversion efficiency and more power output persquare meter, by lower series resistance and improved light harvesting.



PID Resistant

Tested in accordance to the standard IEC 62804, our PV modules have demonstrated resistance against PID (Potential Induced Degradation), which translates to security for your investment.

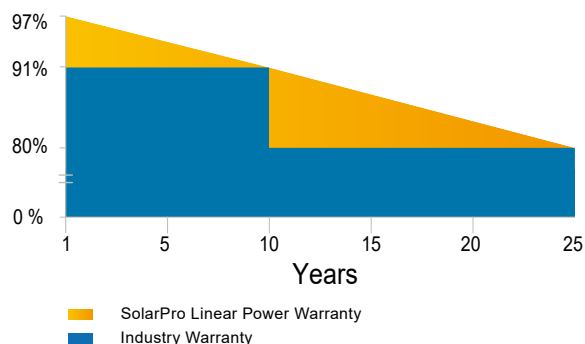


Bigger Cells with better performance

A slight increase of the size of our cells, Boosts the performance of the newest modules by six percent on average.

First-class Quality Assurance

- 10-year warranty for material and technology
- 25-year linear power output warranty

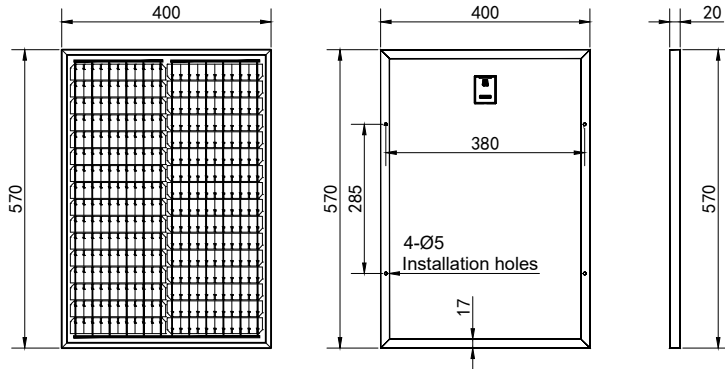


Comprehensive Certificates

- IEC61215, IEC61730
- ISO9001:2015 Quality management systems
- ISO14001:2015 Environmental management systems
- ISO45001:2018 Occupational health and safety management systems



MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	2.3kg
Dimensions	570mm*400mm*20mm
Cell Dimensions	182*30.3mm
Cell Amount	2*16pcs
Maximum System Voltage	1000V
Junction Box	IP67
Frame	Aluminum Alloy
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	SPD40P-32M
Maximum Power (Pmax/W)	40
Open Circuit Voltage(Voc/V)	21.80
Short Circuit Current(Isc/A)	2.39
Maximum Power Voltage(Vmp/V)	18.24
Maximum Power Current(Imp/A)	2.19
Module Efficiency(%)	17.50

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

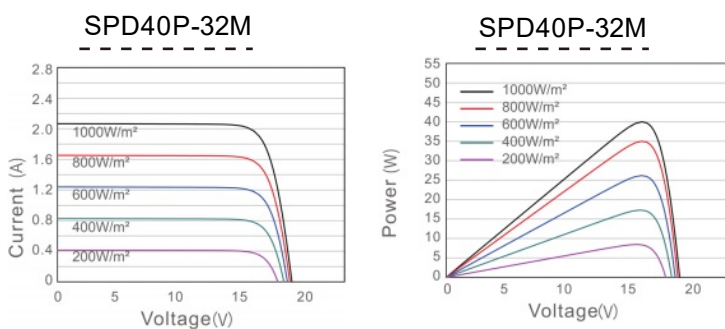
TEMPERATURE CHARACTERISTICS

NOCT	45±2°C	Temp Coefficient of Isc	+0.046%/°C
Temp Coefficient of Voc	-0.275%/°C	Temp Coefficient of Pmax	-0.350%/°C

PACKING CONFIGURATION

Modules/Pallet	10 Pieces	Modules/40HQ'Container	11000 Pieces
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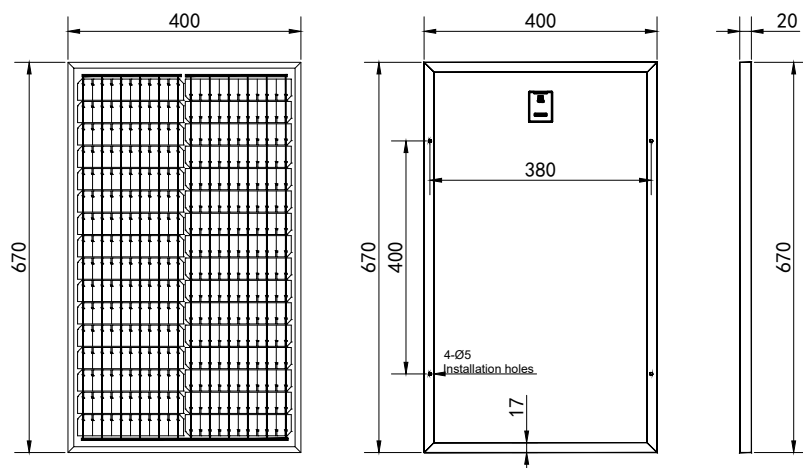
CHARACTERISTICS



MAXIMUM RATING

Output Tolerance	± 3%
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	2.7 kg
Dimensions	670mm*400mm*20mm
Cell Dimensions	182*36.4mm
Cell Amount	2*16 pcs
Maximum System Voltage	1000V
Junction Box	IP67
Frame	Aluminum Alloy
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	SPD50P-32M
Maximum Power (Pmax/W)	50
Open Circuit Voltage(Voc/V)	21.80
Short Circuit Current(Isc/A)	2.97
Maximum Power Voltage(Vmp/V)	18.24
Maximum Power Current(Imp/A)	2.74
Module Efficiency(%)	18.60

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

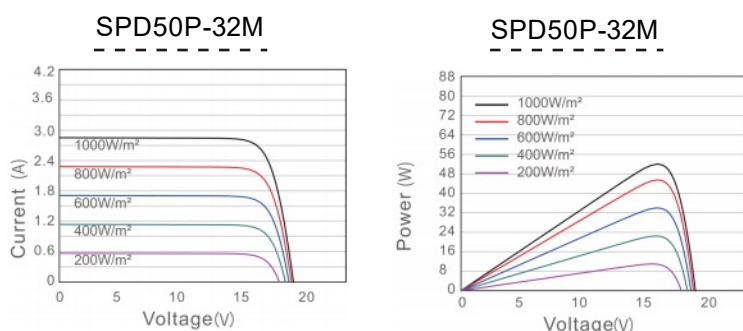
TEMPERATURE CHARACTERISTICS

NOCT	45±2°C	Temp Coefficient of Isc	+0.046%/°C
Temp Coefficient of Voc	-0.275%/°C	Temp Coefficient of Pmax	-0.350%/°C

PACKING CONFIGURATION

Modules/Pallet	5 Pieces	Modules/40HQ'Container	9000 Pieces
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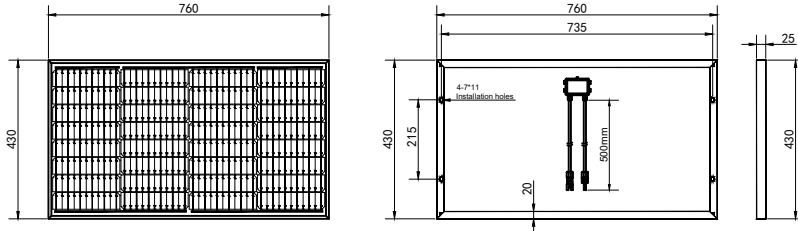
CHARACTERISTICS



MAXIMUM RATING

Output Tolerance	± 3%
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	3.3kg
Dimensions	760mm*430mm*25mm
Cell Dimensions	182*45.5mm
Cell Amount	4*8pcs
Maximum System Voltage	1000V
Junction Box	IP67
Frame	Aluminum Alloy
Cable	2.5mm ² /500mm
Connector	MC4 Compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	SPD60P-32M
Maximum Power (Pmax/W)	60
Open Circuit Voltage(Voc/V)	21.80
Short Circuit Current(Isc/A)	3.49
Maximun Power Voltage(Vmp/V)	18.24
Maximum Power Current(Imp/A)	3.29
Module Efficiency(%)	18.30

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

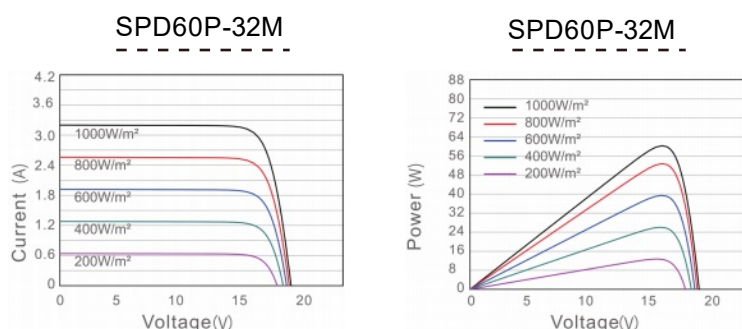
TEMPERATURE CHARACTERISTICS

NOCT	45±2°C	Temp Coefficient of Isc	+0.046%/°C
Temp Coefficient of Voc	-0.275%/°C	Temp Coefficient of Pmax	-0.350%/°C

PACKING CONFIGURATION

Modules/Pallet	5 Pieces	Modules/40HQ'Container	6300 Pieces
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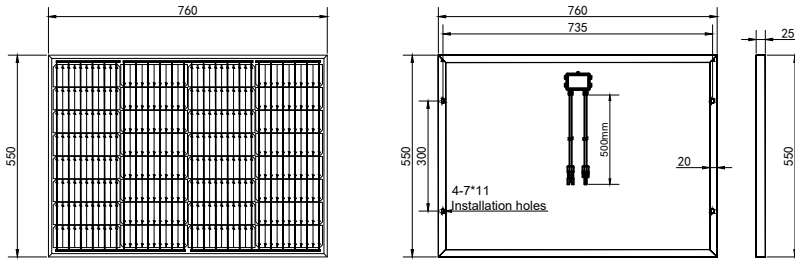
CHARACTERISTICS



MAXIMUM RATING

Output Tolerance	± 3%
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	4.2 kg
Dimensions	550mm*760mm*25mm
Cell Dimensions	182*60.6mm
Cell Amount	4*8 pcs
Maximum System Voltage	1000V
Junction Box	IP67
Frame	Aluminum Alloy
Cable	2.5mm ² /500mm
Connector	MC4 Compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	SPD80P-32M
Maximum Power (Pmax/W)	80
Open Circuit Voltage(Voc/V)	21.80
Short Circuit Current(Isc/A)	4.65
Maximum Power Voltage(Vmp/V)	18.24
Maximum Power Current(Imp/A)	4.39
Module Efficiency(%)	19.10

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

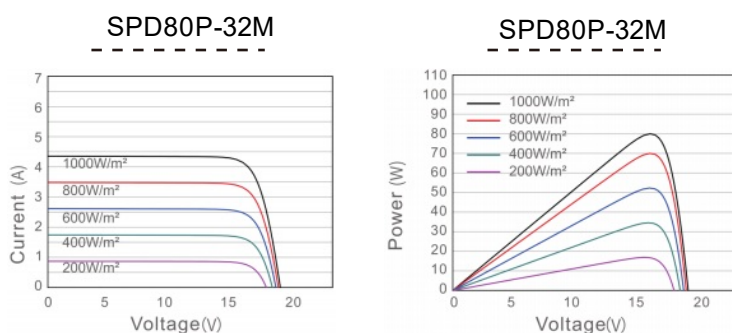
TEMPERATURE CHARACTERISTICS

NOCT	45±2°C	Temp Coefficient of Isc	+0.046%/°C
Temp Coefficient of Voc	-0.275%/°C	Temp Coefficient of Pmax	-0.350%/°C

PACKING CONFIGURATION

Modules/Pallet	5 Pieces	Modules/40HQ'Container	4500 Pieces
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CHARACTERISTICS



MAXIMUM RATING

Output Tolerance	± 3%
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa