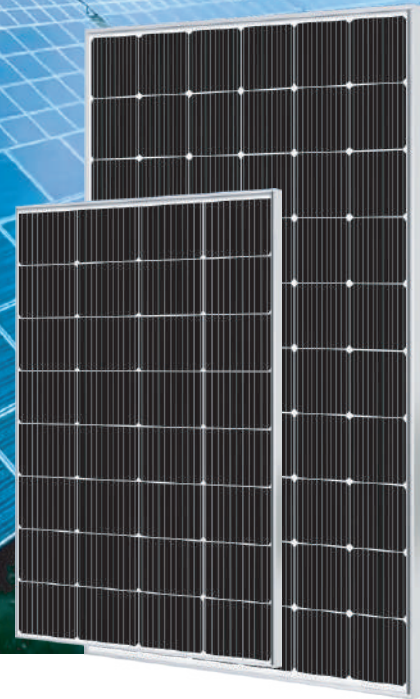




40-450W

Introduction

Solarpro MONO module 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 per square 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.

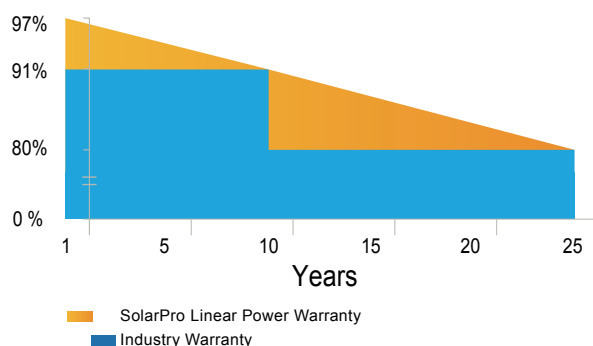


Bigger Cells with better performance

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

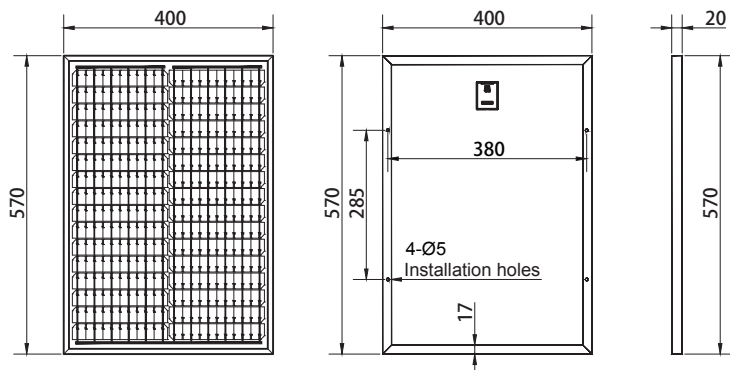


Comprehensive Certificates

- 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	SPN40P-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.

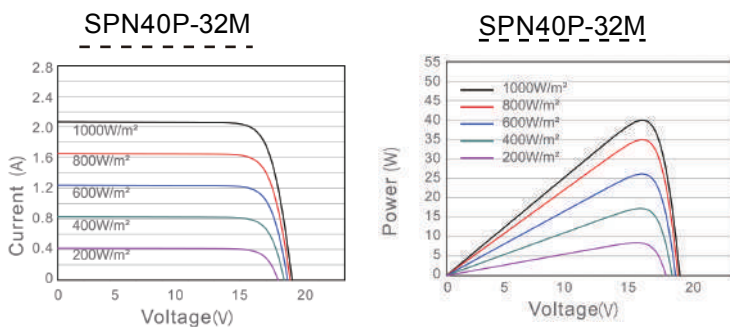
TEMPERATURE CHARACTERISTICS

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	10500 Pieces
----------------	-----------	------------------------	--------------

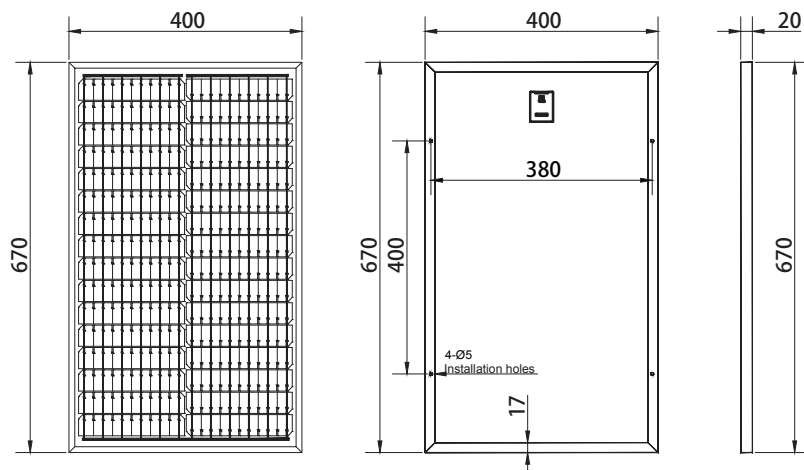
CHARACTERISTICS



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	SPN50P-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.

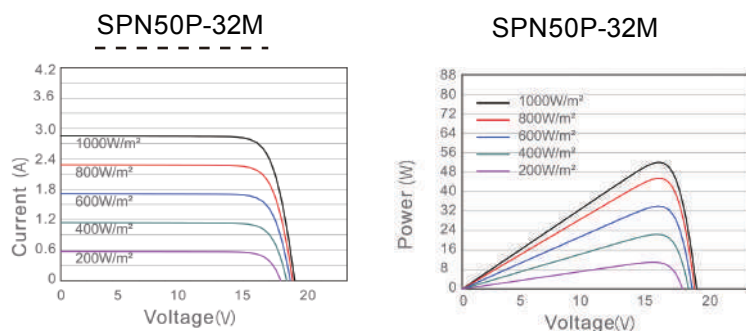
TEMPERATURE CHARACTERISTICS

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	10 Pieces	Modules/40HQ'Container	8900 Pieces
----------------	-----------	------------------------	-------------

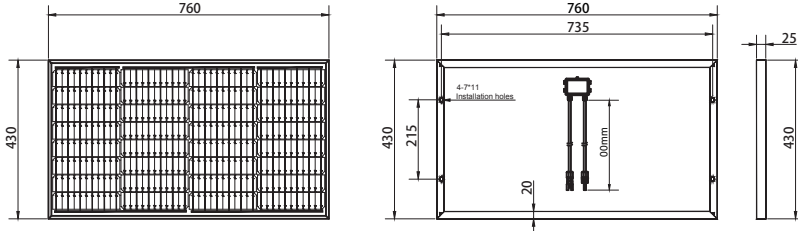
CHARACTERISTICS



MAXIMUM RATING

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

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	3.4kg
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	SPN60P-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.

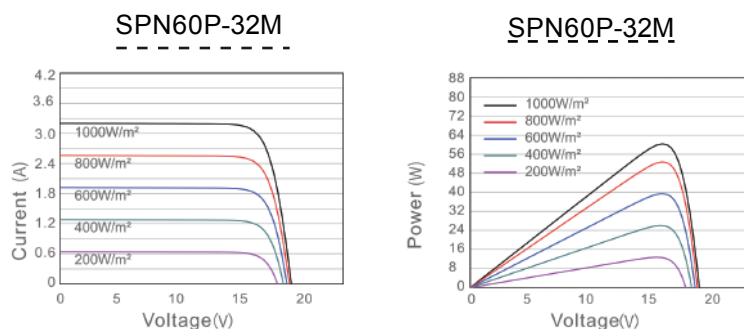
TEMPERATURE CHARACTERISTICS

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	6900 Pieces
----------------	----------	------------------------	-------------

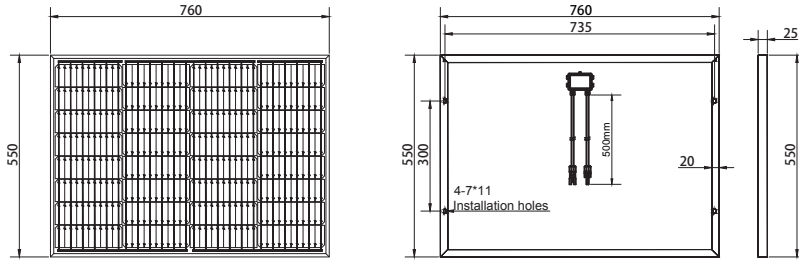
CHARACTERISTICS



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	SPN80P-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.

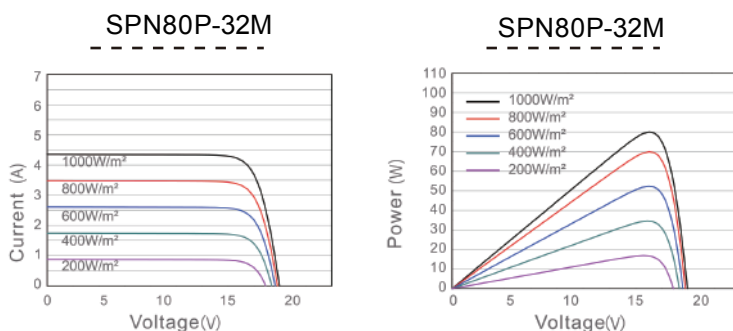
TEMPERATURE CHARACTERISTICS

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	5400 Pieces
----------------	----------	------------------------	-------------

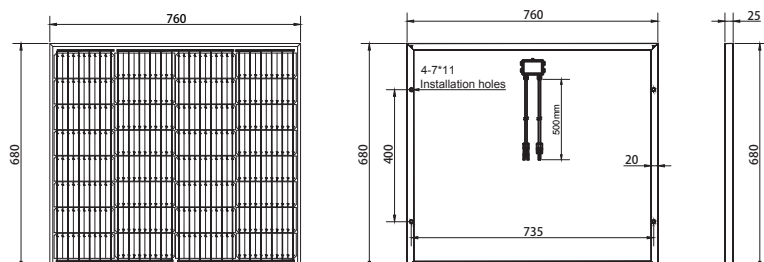
CHARACTERISTICS



MAXIMUM RATING

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

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	5.1 kg
Dimensions	680mm*760mm*25mm
Cell Dimensions	182*76mm
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	SPN100P-32M
Maximum Power (Pmax/W)	100
Open Circuit Voltage(Voc/V)	21.80
Short Circuit Current(Isc/A)	5.81
Maximum Power Voltage(Vmp/V)	18.24
Maximum Power Current(Imp/A)	5.48
Module Efficiency(%)	19.30

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

TEMPERATURE CHARACTERISTICS

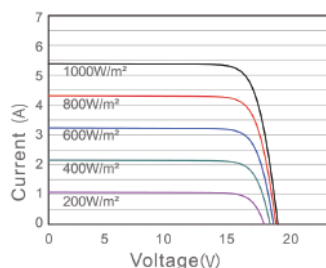
NOCT	45±2°C	Temp Coefficient of Isc	+0.046%/°C
Temp Coefficient of Voc	-0.275%/°C	Temp Coefficient of Pmax	-0.350%/°C

PACKING CONFIGURATION

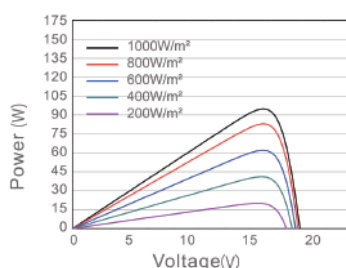
Modules/Pallet	5 Pieces	Modules/40HQ'Container	4500 Pieces
----------------	----------	------------------------	-------------

CHARACTERISTICS

SPN100P-32M



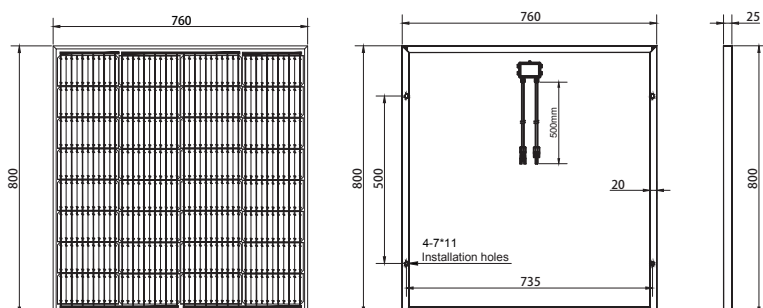
SPN100P-32M



MAXIMUM RATING

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

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	6.0 kg
Dimensions	800mm*760mm*25mm
Cell Dimensions	182*91mm
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	SPN120P-32M
Maximum Power (Pmax/W)	120
Open Circuit Voltage(Voc/V)	21.80
Short Circuit Current(Isc/A)	6.97
Maximum Power Voltage(Vmp/V)	18.24
Maximum Power Current(Imp/A)	6.58
Module Efficiency(%)	19.70

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

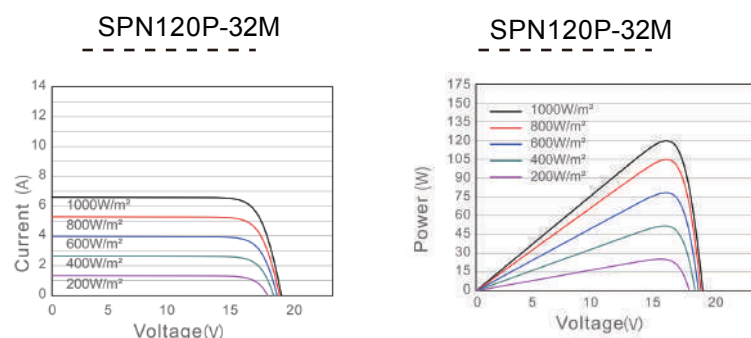
TEMPERATURE CHARACTERISTICS

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	3900 Pieces
----------------	----------	------------------------	-------------

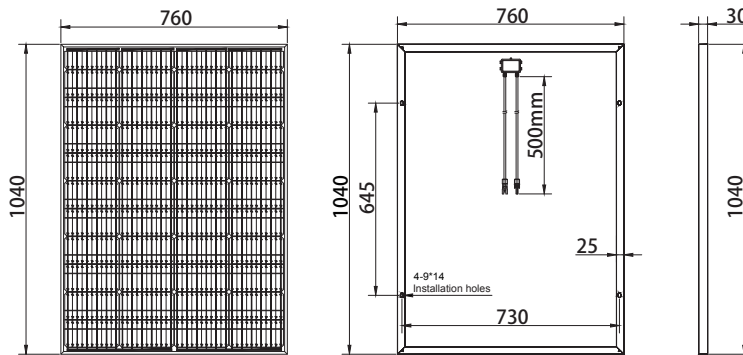
CHARACTERISTICS



MAXIMUM RATING

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

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	7.9 kg
Dimensions	1040mm*760mm*30mm
Cell Dimensions	182*121.2mm or 182*60.6mm
Cell Amount	4*8 pcs or 4*16 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	SPN160P-32M
Maximum Power (Pmax/W)	160
Open Circuit Voltage(Voc/V)	21.80
Short Circuit Current(Isc/A)	9.40
Maximum Power Voltage(Vmp/V)	18.24
Maximum Power Current(Imp/A)	8.80
Module Efficiency(%)	20.20

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

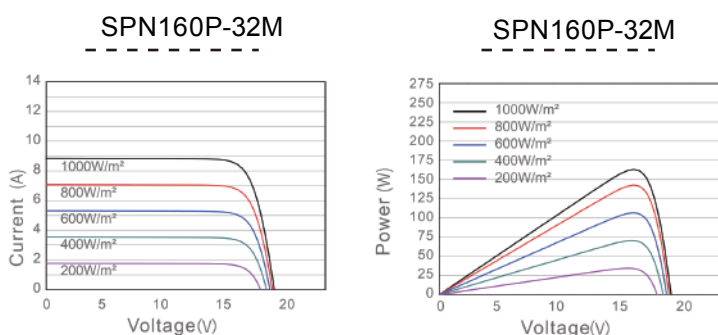
TEMPERATURE CHARACTERISTICS

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	2 or 36 Pieces	Modules/40HQ'Container	2410 or 2376 Pieces
----------------	----------------	------------------------	---------------------

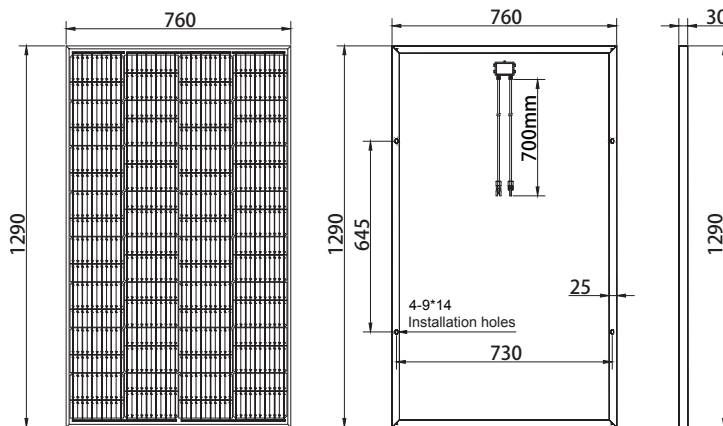
CHARACTERISTICS



MAXIMUM RATING

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

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	9.4kg
Dimensions	1290mm*760mm*30mm
Cell Dimensions	182*151.7mm
Cell Amount	4*8 pcs
Maximum System Voltage	1000V
Junction Box	IP67
Frame	Aluminum Alloy
Cable	2.5mm ² /700mm
Connector	MC4 Compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	SPN200P-32M
Maximum Power (Pmax/W)	200
Open Circuit Voltage(Voc/V)	21.80
Short Circuit Current(Isc/A)	11.73
Maximum Power Voltage(Vmp/V)	18.24
Maximum Power Current(Imp/A)	10.97
Module Efficiency(%)	20.40

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

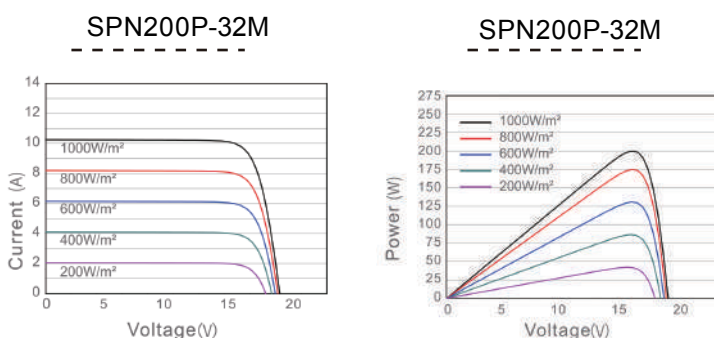
TEMPERATURE CHARACTERISTICS

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	2 or 36 Pieces	Modules/40HQ'Container	1944 or 1944 Pieces
----------------	----------------	------------------------	---------------------

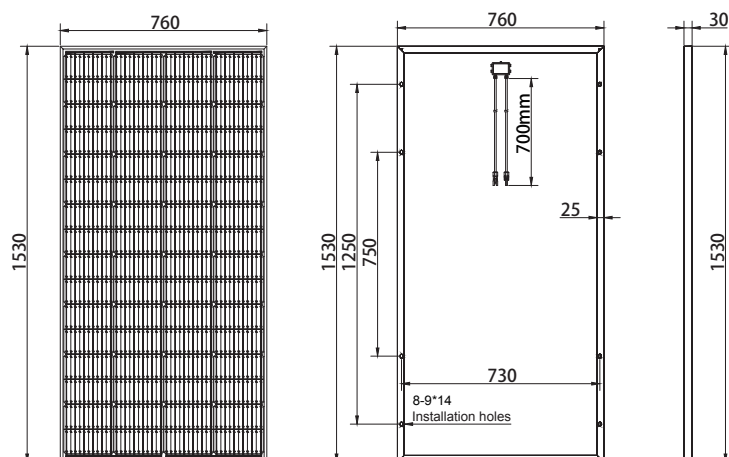
CHARACTERISTICS



MAXIMUM RATING

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

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	11.3kg
Dimensions	1530mm*760mm*30mm
Cell Dimensions	182*182mm
Cell Amount	4*8pcs
Maximum System Voltage	1000V
Junction Box	IP67
Frame	Aluminum Alloy
Cable	2.5mm ² /700mm
Connector	MC4 Compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	SPN240P-32M
Maximum Power (Pmax/W)	240
Open Circuit Voltage(Voc/V)	21.80
Short Circuit Current(Isc/A)	13.95
Maximum Power Voltage(Vmp/V)	18.24
Maximum Power Current(Imp/A)	13.16
Module Efficiency(%)	20.70

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

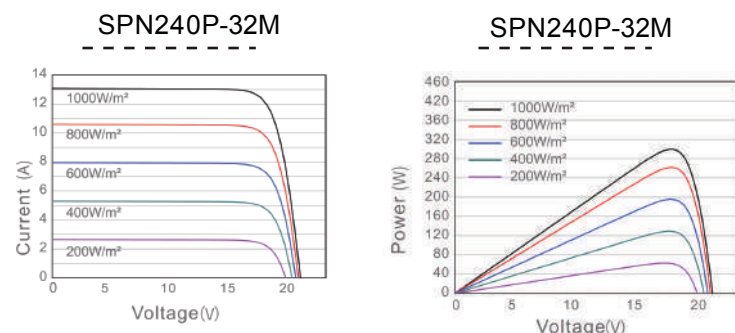
TEMPERATURE CHARACTERISTICS

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	2 or 36 Pieces	Modules/40HQ'Container	1660 or 1620 Pieces
----------------	----------------	------------------------	---------------------

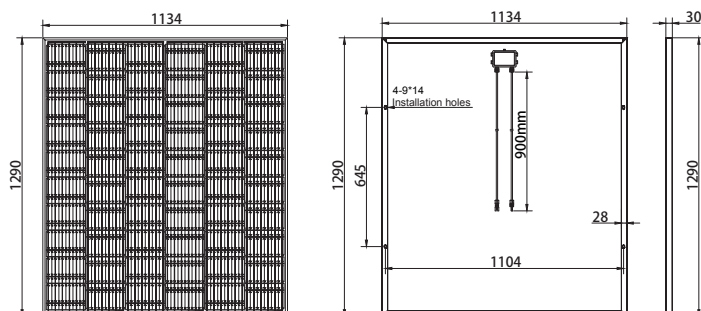
CHARACTERISTICS



MAXIMUM RATING

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

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	14.5kg
Dimensions	1290mm*1134mm*30mm
Cell Dimensions	182*121.2mm
Cell Amount	6*10pcs
Maximum System Voltage	1000V
Junction Box	IP67
Frame	Aluminum Alloy
Cable	4mm ² /900mm
Connector	MC4 Compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	SPN300P-60M
Maximum Power (Pmax/W)	300
Open Circuit Voltage(Voc/V)	41.04
Short Circuit Current(Isc/A)	9.30
Maximum Power Voltage(Vmp/V)	34.20
Maximum Power Current(Imp/A)	8.77
Module Efficiency(%)	20.50

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

TEMPERATURE CHARACTERISTICS

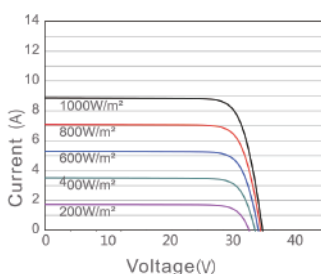
NOCT	45±2°C	Temp Coefficient of Isc	+0.046%/°C
Temp Coefficient of Voc	-0.275%/°C	Temp Coefficient of Pmax	-0.350%/°C

PACKING CONFIGURATION

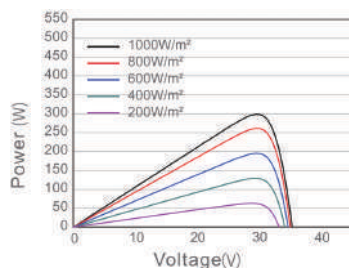
Modules/Pallet	2 or 36 Pieces	Modules/40HQ'Container	1320 or 1296 Pieces
----------------	----------------	------------------------	---------------------

CHARACTERISTICS

SPN300P-60M



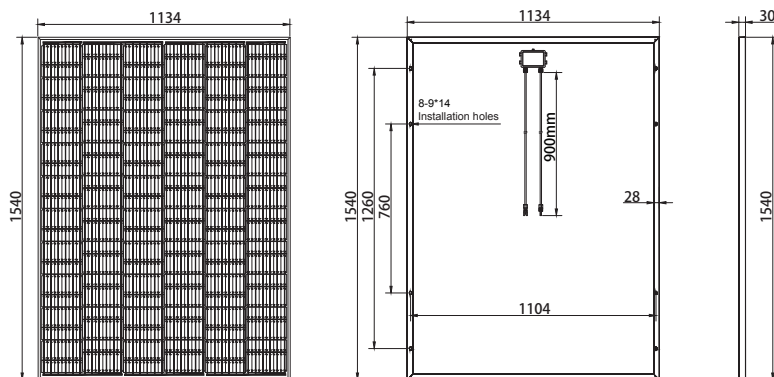
SPN300P-60M



MAXIMUM RATING

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

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	16.9kg
Dimensions	1540mm*1134mm*30mm
Cell Dimensions	182*145.6mm
Cell Amount	6*10 pcs
Maximum System Voltage	1000V
Junction Box	IP67
Frame	Aluminum Alloy
Cable	4mm ² /900mm
Connector	MC4 Compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	SPN360P-60M
Maximum Power (Pmax/W)	360
Open Circuit Voltage(Voc/V)	41.04
Short Circuit Current(Isc/A)	11.16
Maximum Power Voltage(Vmp/V)	34.20
Maximum Power Current(Imp/A)	10.53
Module Efficiency(%)	20.60

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

TEMPERATURE CHARACTERISTICS

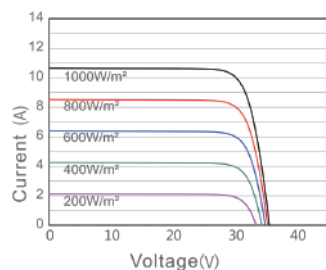
NOCT	45±2°C	Temp Coefficient of Isc	+0.046%/°C
Temp Coefficient of Voc	-0.275%/°C	Temp Coefficient of Pmax	-0.350%/°C

PACKING CONFIGURATION

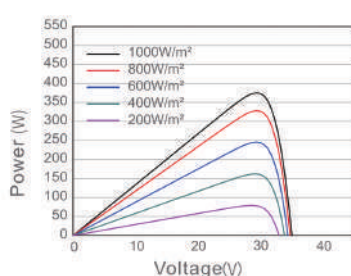
Modules/Pallet	2 or 36 Pieces	Modules/40HQ'Container	1090 or 1080 Pieces
----------------	----------------	------------------------	---------------------

CHARACTERISTICS

SPN360P-60M



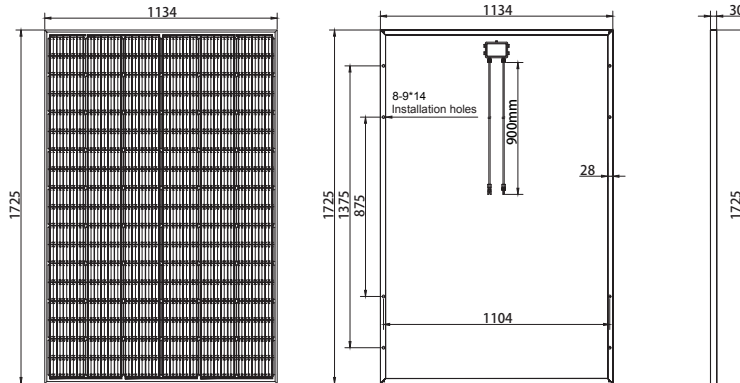
SPN360P-60M



MAXIMUM RATING

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

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	18.8kg
Dimensions	1725mm*1134mm*30mm
Cell Dimensions	182*182mm
Cell Amount	6*9pcs
Maximum System Voltage	1000V
Junction Box	IP68
Frame	Aluminum Alloy
Cable	4mm ² /900mm
Connector	MC4 Compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	SPN400P-54M
Maximum Power (Pmax/W)	400
Open Circuit Voltage(Voc/V)	37.02
Short Circuit Current(Isc/A)	13.87
Maximum Power Voltage(Vmp/V)	30.78
Maximum Power Current(Imp/A)	13.00
Module Efficiency(%)	20.70

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

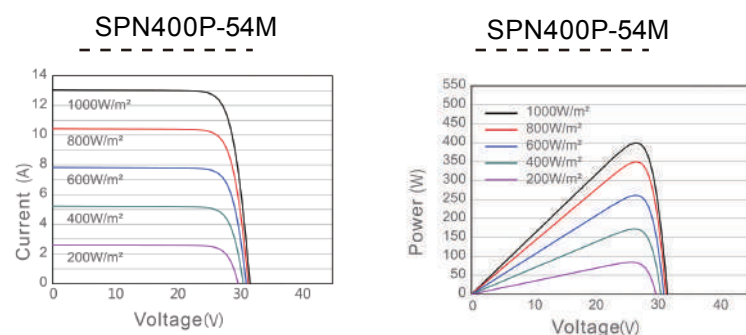
TEMPERATURE CHARACTERISTICS

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	2 or 36 Pieces	Modules/40HQ'Container	990 or 936 Pieces
----------------	----------------	------------------------	-------------------

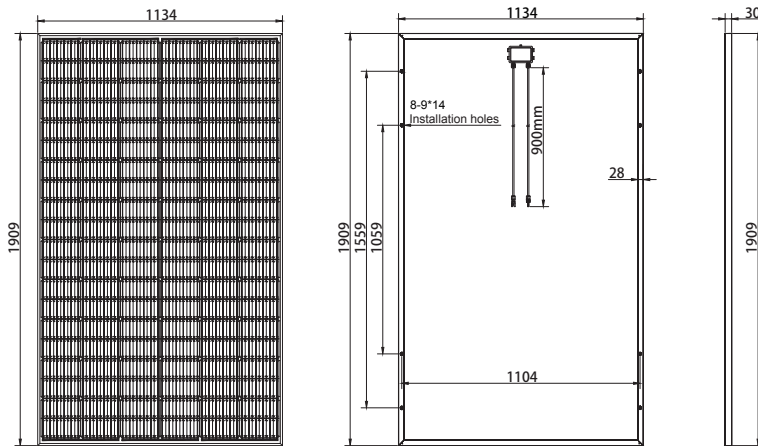
CHARACTERISTICS



MAXIMUM RATING

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

MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	21.0 kg
Dimensions	1909mm*1134mm*30mm
Cell Dimensions	182*182mm
Cell Amount	6*10 pcs
Maximum System Voltage	1000V
Junction Box	IP67
Frame	Aluminum Alloy
Cable	4mm ² /900mm
Connector	MC4 Compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	SPN450P-60M
Maximum Power (Pmax/W)	450
Open Circuit Voltage(Voc/V)	41.04
Short Circuit Current(Isc/A)	13.95
Maximum Power Voltage(Vmp/V)	34.20
Maximum Power Current(Imp/A)	13.16
Module Efficiency(%)	20.80

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

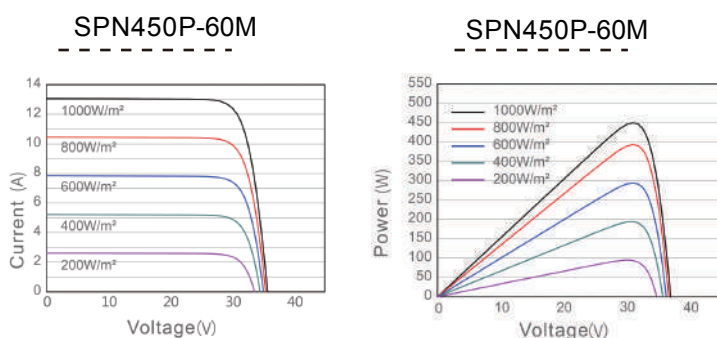
TEMPERATURE CHARACTERISTICS

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	2 or 36 Pieces	Modules/40HQ'Container	890 or 864 Pieces
----------------	----------------	------------------------	-------------------

CHARACTERISTICS



MAXIMUM RATING

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