INNOVATIONS
CREATE FUTURE

Half Cut Cell Solar Panel, Bifacial Solar Panel, Transparent Solar Panel,
Thin Film Solar Panel Professional Manufacturer

ABOUT US

[redacted]Power World Co., Ltd, established in October of 2011, focus on all kinds of solar panels as a professional supplier. We can supply Half Cut Cell Solar Panel, standard solar panel, Bifacial Double Glass Solar Panel, Thin Film Solar Panel and BIPV, Mini Solar Panel etc.

We hold "Practicability, Endeavor and Innovation "as our philosophy, make improvement day by day to provide high quality products and services.

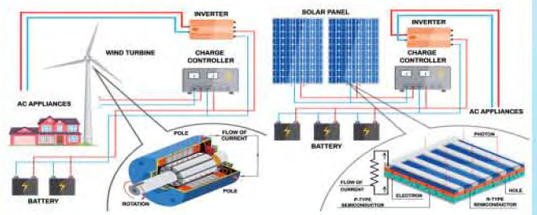
We owns 18,000 squares of workshop on a plot of 20,000 square meters and keeps a staff more than 300 employees.

Relay on the advanced equipment and automatically producing line, we keeps annual capacity of 1GW solar modules.

Our products are widely used in various fields such as rooftops, agriculture, industry, public utilities, and residential use.

We believe in "Innovations create future" and we believe we will be one of the pioneers of solar technology and loyal protector of our green planet.

GREEN POWER FOR YOUR HOME

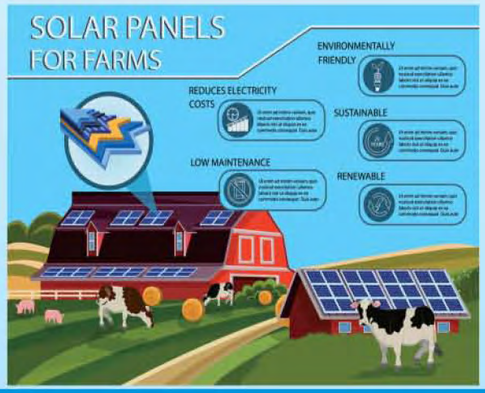


We insists being guided by advanced science and technology, equipped with state of art instruments and quality control system.

With advanced technology our products have been exported to more than 120 countries and regions like Thailand, Vietnam, Mexico, USA, Italy, Romania, Spain, Germany, Belgium, Russia, Turkey, France, Tunisia, Zimbabwe, South Africa, Australia, Brazil, Peru, Colombia, Philippines, Indonesia and UAE etc.

Our team keep working hard for the solar technology development, solar modules of higher efficiency and solar plant integration. Looking forward to establish a sunshine and fruitful cooperation relationship with your esteemed company.

Power World, Power Life!



Bifacial Double Glass Solar Panel

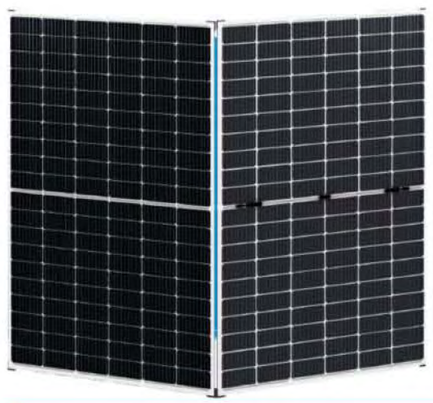
45% 220W Double Glass
MONOCRYSTALLINE MODULE

ELECTRICAL CHARACTERISTICS AT STC

Model	WDG220Wp-72M
Maximum Power (Pmax)	220W
Power Tolerance	0 ~ + 5W
Open Circuit Voltage (VOC)	24.95V
Short Circuit Current (ISC)	11.64A
Voltage at Nominal Power (Vmp)	20.62V
Current at Nominal Power (Imp)	10.67A
Size of Module	1767 x 1040 x 6mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25ºC , & AM :1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	- 40°C to +85°C

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline (156.75mm*156.75mm)
Number of cell	72pcs (4 x 18)
Size of Module	1767 x 1040 x 6mm
Weight	About 25.50kgs
Front Glass	2.5mm Semi tempered coated glass
Interlayer	EVA/POE/PVB
Back Glass	2.5mm Semi tempered coated glass
Frame	No Frame
Junction Box	Ip67, 3 diodes
Cable	$4mm^2$ ($0.006inches^2$), 900mm
Connector	MC4 or MC4 compatible
Maximum Load Capacity(Pa)	2400(wind load)/2400(snow load)



10% 375W Double Glass
BIFACIAL MONOCRYSTALLINE MODULE

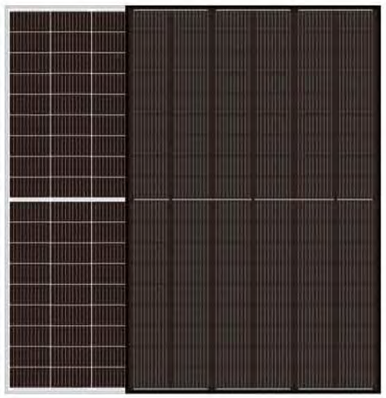
ELECTRICAL CHARACTERISTICS AT STC

Model	WDG375Wp-120M
Maximum Power (Pmax)	375W
Power Tolerance	±5%
Open Circuit Voltage (VOC)	41.61V
Short Circuit Current (ISC)	11.43A
Voltage at Nominal Power (Vmp)	34.45V
Current at Nominal Power (Imp)	10.89A
Size of Module	1767 x 1040 x 6mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25ºC , & AM :1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	- 40°C to +85°C
Module Effieiency	20.40%

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline
Number of cell	120pcs (2 x 60)
Size of Module	1767 x 1040 x 6mm
Weight	About 25.50kgs
Front Glass	2.5mm Semi tempered coated glass
Interlayer	EVA/POE/PVB
Back Glass	2.5mm Semi tempered coated glass
Transparency	10%
Frame	No Frame
Junction Box	Ip67, 3 diodes
Cable	$4mm^2$ ($0.006inches^2$), Portrait : 300mm
Connector	Mc4 or MC4 compatible
Maximum Load Capacity(Pa)	2400(wind load)/2400(snow load)

Half Cut Cell Solar Panel



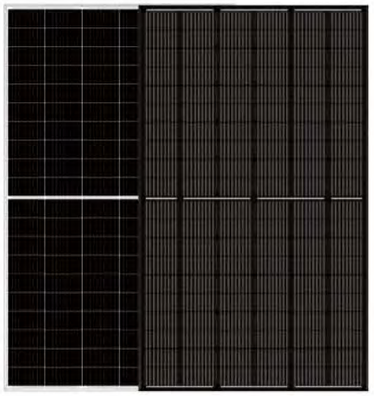
410W 108 cells series
MONOCRYSTALLINE MODULE

ELECTRICAL CHARACTERISTICS AT STC

Model	W410Wp-108M
Maximum Power (Pmax)	410W
Power Tolerance	±5%
Open Circuit Voltage (VOC)	37.60V
Short Circuit Current (ISC)	13.82A
Voltage at Nominal Power (Vmp)	31.40V
Current at Nominal Power (Imp)	13.06A
Size of Module	1722 x 1134 x 30mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25ºC , & AM :1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	- 40°C to +85°C
Module Effieiency	21.00%

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline PERC (182mm*91mm)
Number of cell	108pcs (6 x 18)
Size of Module	1722 x 1134 x 30mm
Weight	About 21.50kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	Ip68, 3 diodes
Cable	4mm^2 (0.006inches^2), Portait: 300mm (11.81inches); Lanscape:1200mm
Connector	Mc4 or MC4 compatible



460W 120 cells series
MONOCRYSTALLINE MODULE

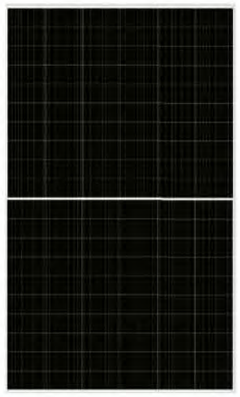
ELECTRICAL CHARACTERISTICS AT STC

Model	W460Wp-120M
Maximum Power (Pmax)	460W
Power Tolerance	±5%
Open Circuit Voltage (VOC)	41.63V
Short Circuit Current (ISC)	13.90A
Voltage at Nominal Power (Vmp)	34.98V
Current at Nominal Power (Imp)	13.01A
Size of Module	1909 x 1134 x 30mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25ºC , & AM :1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	- 40°C to +85°C
Module Effieiency	21.25%

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline (182mm*91mm)
Number of cell	120pcs (60 x 2)
Size of Module	1909 x 1134 x 30mm
Weight	About 24.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	Ip68, 3 diodes
Cable	4mm^2 (0.006inches^2), 300mm (11.81inches)
Connector	Mc4 or MC4 compatible

Half Cut Cell Solar Panel



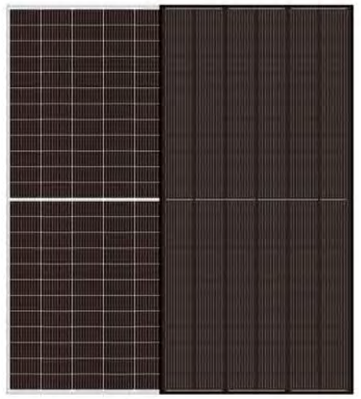
500W 132 cells series
MONOCRYSTALLINE MODULE

ELECTRICAL CHARACTERISTICS AT STC

Model	W500Wp-132M
Maximum Power (Pmax)	500W
Power Tolerance	±5%
Open Circuit Voltage (VOC)	45.55V
Short Circuit Current (ISC)	13.90A
Voltage at Nominal Power (Vmp)	38.38V
Current at Nominal Power (Imp)	13.03A
Size of Module	2094 x 1133 x 30mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25ºC , & AM :1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	- 40°C to +85°C
Module Effieiency	21.75%

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline (182mm*91mm)
Number of cell	132pcs (6 x 22)
Size of Module	2094 x 1133 x 30mm
Weight	About 30.60kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	Ip68, 3 diodes
Cable	4mm^2 (0.006inches^2). , Postive : 300mm, Negative: 200mmLength can be customized
Connector	Mc4 or MC4 compatible
Maximum Load Capacity(Pa)	2400(wind load)/2400(snow load)



550W 144 cells series
MONOCRYSTALLINE MODULE

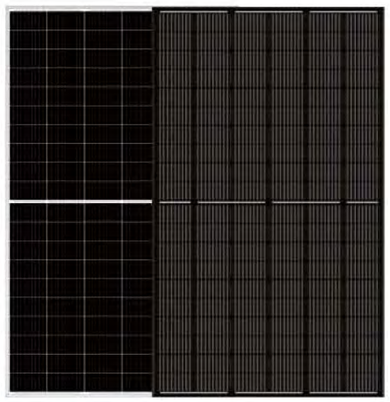
ELECTRICAL CHARACTERISTICS AT STC

Model	W550Wp-144M
Maximum Power (Pmax)	550W
Power Tolerance	±5%
Open Circuit Voltage (VOC)	49.80V
Short Circuit Current (ISC)	13.99A
Voltage at Nominal Power (Vmp)	41.60V
Current at Nominal Power (Imp)	13.23A
Size of Module	2279 x 1134 x 30mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25ºC , & AM :1.5G spectrum
Maximum system voltage	1500VDC
Operating temperature	- 40°C to +85°C
Module Effieiency	21.28%

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline (182mm*91mm)
Number of cell	144pcs (72 x 2)
Size of Module	2279 x 1134 x 30mm
Weight	About 29.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	Ip68
Cable	4mm^2 (0.006inches^2), 1400mm
Connector	Mc4 or MC4 compatible

Half Cut Cell Solar Panel



610W 120 cells series
MONOCRYSTALLINE MODULE

ELECTRICAL CHARACTERISTICS AT STC

Model	W610Wp-120M
Maximum Power (Pmax)	610W
Power Tolerance	±5%
Open Circuit Voltage (VOC)	41.80V
Short Circuit Current (ISC)	18.66A
Voltage at Nominal Power (Vmp)	35.05V
Current at Nominal Power (Imp)	17.40A
Size of Module	2172 x 1303 x 30mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25ºC , & AM :1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	- 40°C to +85°C
Module Effieiency	21.55%

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline
Number of cell	120pcs (2 x 60)
Size of Module	2172 x 1303 x 30mm
Weight	About 31.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	Ip68, 3 diodes
Cable	4mm^2 (0.006inches^2), Portrait : 300mm, Landscape: 1400mm
Connector	Mc4 or MC4 compatible
Maximum Load Capacity(Pa)	2400(wind load)/2400(snow load)

700W 132 cells series
MONOCRYSTALLINE MODULE

ELECTRICAL CHARACTERISTICS AT STC

Model	W700Wp-132M
Maximum Power (Pmax)	700W
Power Tolerance	±5%
Open Circuit Voltage (VOC)	46.76V
Short Circuit Current (ISC)	18.93A
Voltage at Nominal Power (Vmp)	39.60V
Current at Nominal Power (Imp)	17.68A
Size of Module	2384 x 1303 x 30mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25ºC , & AM :1.5G spectrum
Maximum system voltage	1000VDC/1500VDC
Operating temperature	- 40°C to +85°C
Module Effieiency	22.53%

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline(210mm*105mm)
Number of cell	132pcs (6 x 22)
Size of Module	2384 x 1303 x 30mm
Weight	About 30.60kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	Ip68, 3 diodes
Cable	4mm^2 (0.006inches^2), Postive : 300mm, Negative: 200mm Length can be customized
Connector	Mc4 or MC4 compatible
Maximum Load Capacity(Pa)	2400(wind load)/2400(snow load)

Solar Panel

150W 36 cells series
MONOCRYSTALLINE MODULE

ELECTRICAL CHARACTERISTICS AT STC

Model	W150Wp-36M
Maximum Power (Pmax)	150W
Power Tolerance	0 ~ + 5W
Open Circuit Voltage (VOC)	22.10V
Short Circuit Current (ISC)	9.06A
Voltage at Nominal Power (Vmp)	17.50V
Current at Nominal Power (Imp)	8.58A
Size of Module	1480 x 680 x 35mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25ºC , & AM :1.5G spectrum
Maximum system voltage	1000V DC
Operating temperature	-40°C to +85°C
Module Effieiency	14.90%

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline
Number of cell	36pcs (4 x 9)
Size of Module	1480 x 680 x 35mm
Weight	About 12.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	Ip67 Rated
Cable	4mm^2 (0.006inches^2), 900mm
Connector	Mc4 or MC4 compatible

280W 60 cells series
POLYCRYSTALLINE MODULE

ELECTRICAL CHARACTERISTICS AT STC

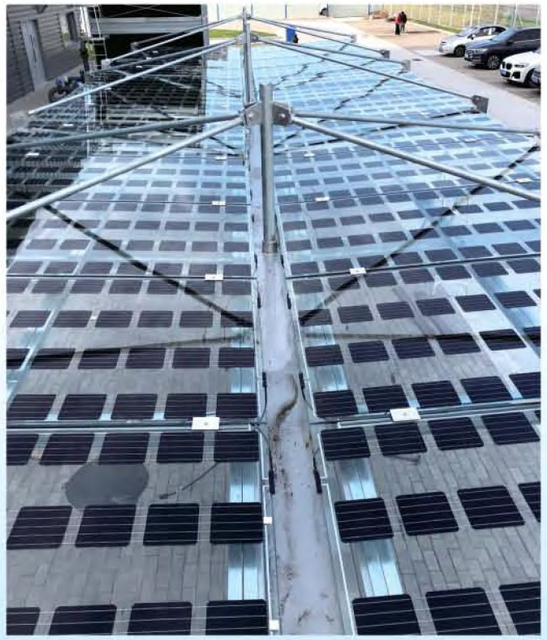
Model	W280Wp-60P
Maximum Power (Pmax)	280W
Power Tolerance	±5%
Open Circuit Voltage (VOC)	38.65V
Short Circuit Current (ISC)	9.37A
Voltage at Nominal Power (Vmp)	31.61V
Current at Nominal Power (Imp)	8.86A
Size of Module	1640 x 992 x 30mm
Standard Test condition	Irradiance:1000W/M2 Temp: 25ºC , & AM :1.5G spectrum
Maximum system voltage	1000V DC
Operating temperature	-40°C to +85°C
Module Effieiency	17.25%

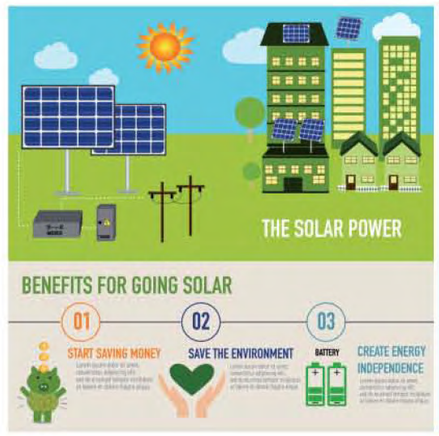
MECHANICAL CHARACTERISTICS

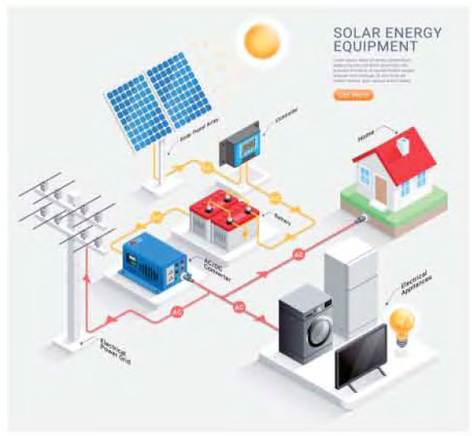
Cell Type	Polycrystalline (158.75mm*158.75mm)
Number of cell	60pcs
Size of Module	1640 x 992 x 30mm
Weight	About 29.00kgs
Front Cover	3.2mm tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction Box	Ip67, 3 diodes
Cable	4mm^2 (0.006inches^2),900mm (11.81inches)
Connector	Mc4 or MC4 compatible

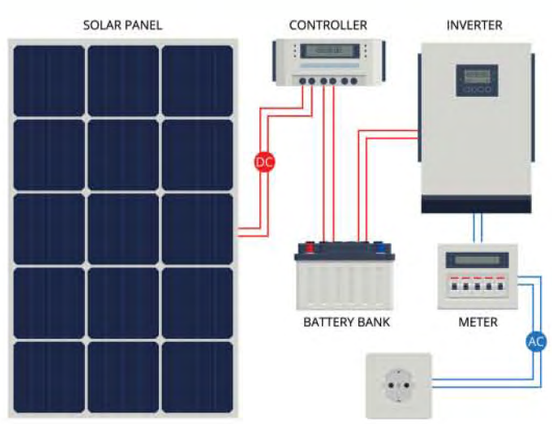
Customized BIPV ➤

Customized BIPV ➤









Project Cases


2.8MW Gird Tie Solar System in Malaysia


10.0MW Gird Tie Solar Roof System in Thailand


1.5MW Gird Tie Solar System in Spain


3.0MW Gird Tie Solar System in Honduras

Project Cases


30KW Off Grid Solar System in Australia


25KW Thin Film Solar Roof System in Germany


300KW Thin Film Solar System for Railway Station


120KW Thin Film Solar System in Sweden


20KW BIPV Solar System for Museum


15KW Grid Tie Solar Roof System in Belgium