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Ipvisola 

## PROFESSIONAL SOLAR PV MODULE MANUFACTURER

Ipvisola 

ZHEJIANG ISOLA NEW ENERGY CO.,LTD

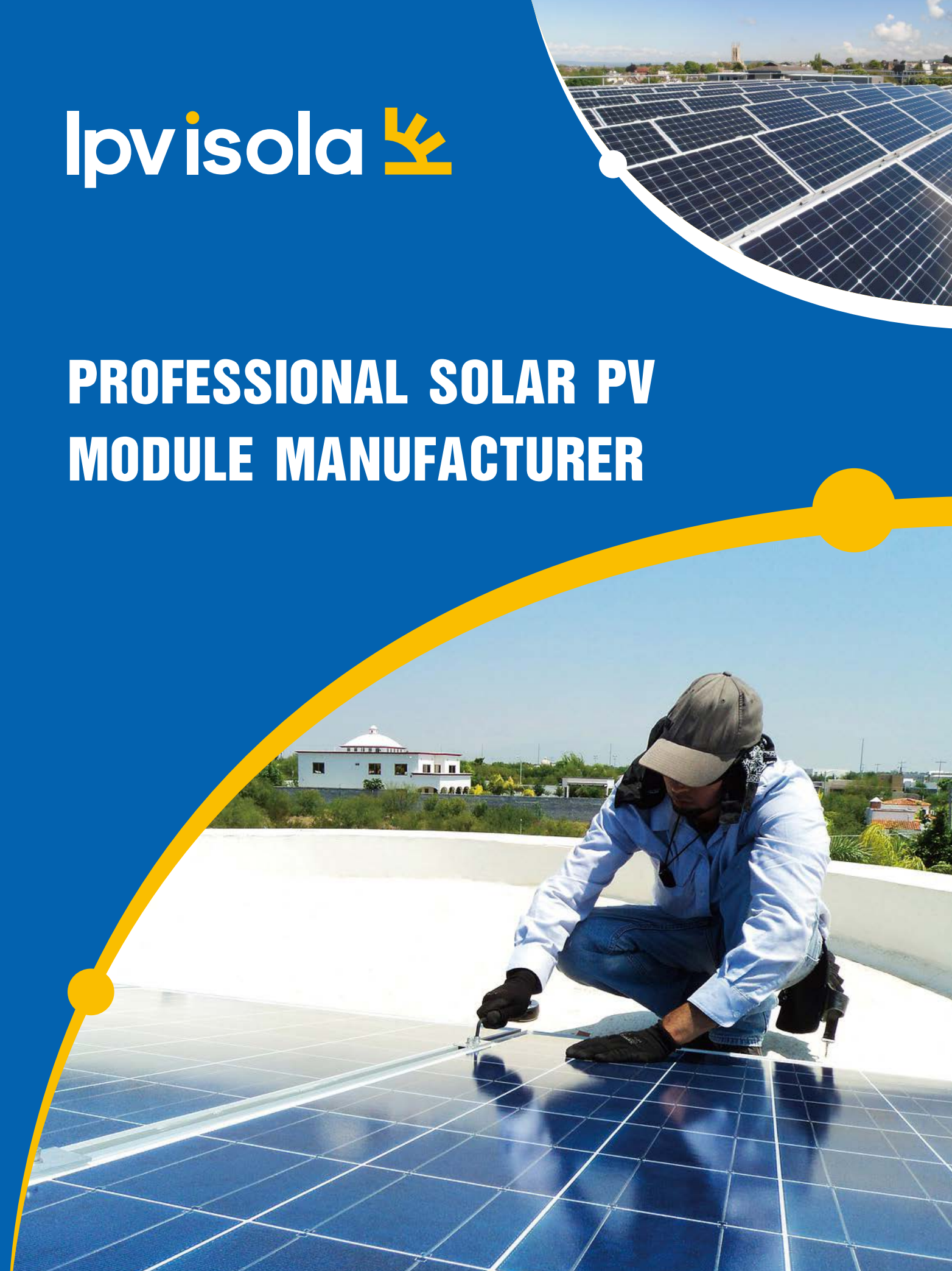
ADD: No.43,lixie Economic Development Area, Hengxi, Ningbo City, China(NEW)

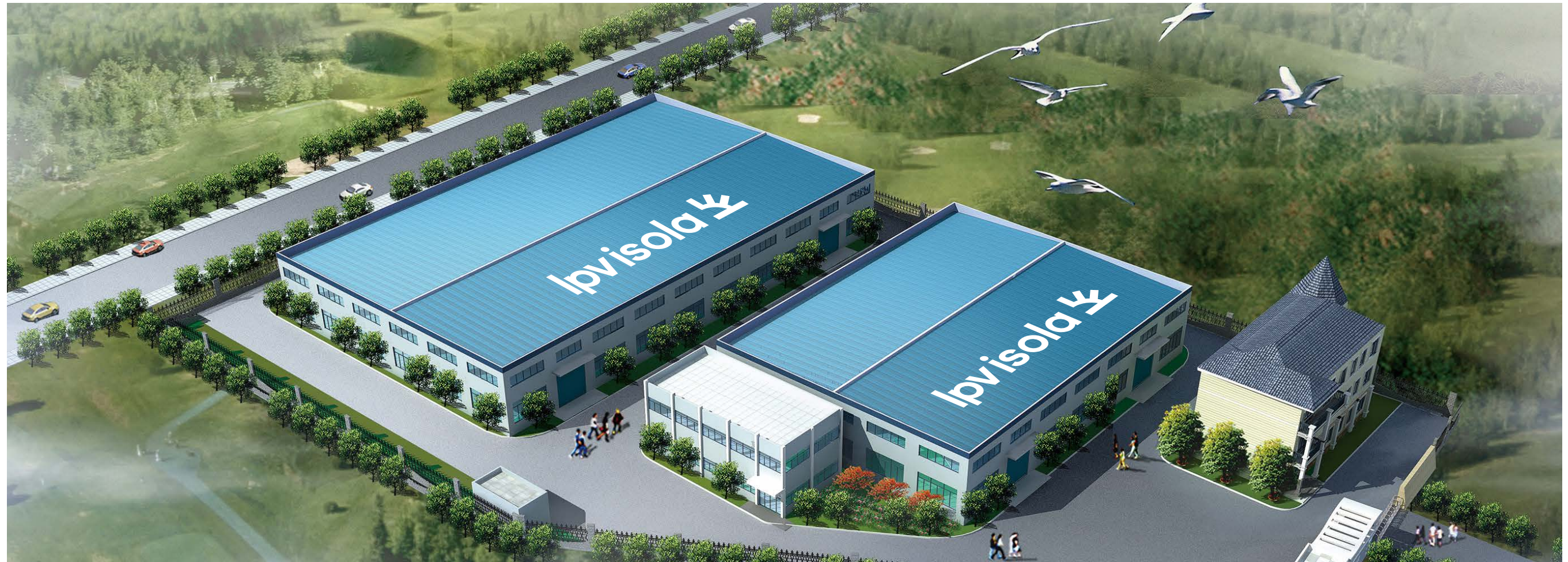
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## ABOUT ISOLA

### MORE THAN 15 YEARS SOLAR PRODUCER

**ZHEJIANG ISOLA NEW ENERGY CO., LTD** is a tech-oriented enterprise, engaged in R&D, production and installation of solar products, including solar cells, solar panels, solar street lighting, on/off-grid solar system, etc.

Isola has a strong and reliable supplier line and 3 factories based in Ningbo and Shandong city. Annual production capacity reaches 400MW for solar cells, 450MW for solar panels. Our subordinate branches and representative offices are located in more than 10 countries, like Germany, Denmark, Netherlands, Bangladesh, Burma, etc.

Isola insists quality as principle core and keeps improving technique to feedback our customers. Our mission is to help create a better environment, bluer sky and cleaner water.

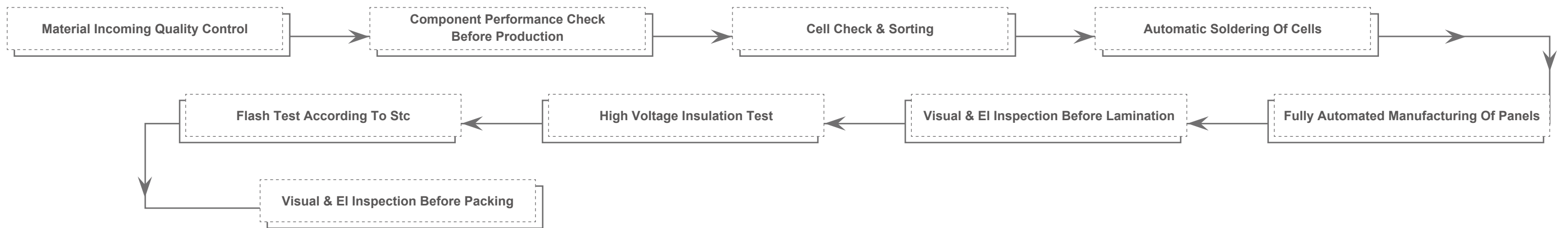
### Certification

- ISO9001, ISO14001, OHSAS18001 system
- Germany Nord Laboratory which is highest standard in EU Market
- CEC certificate for electrical and mechanical products approved by Australia
- MCS certificate for electrical and mechanical products approved in UK
- IDCOL certificate approval by Bangladesh market
- INMETRO certificate for Brazil
- All the QC control system and certificate approval make isola's solar panels more reliable in the market

### Warranty

- 12-year warranty on product materials and processing technology
- Power output warranty: 12 years: 90%, 30 years: 80%

# PRODUCTION PROCESS



# MATERIAL ADVANTAGE

BRAND-KNOWN RAW MATERIALS TO ENSURE  
MAXIMUM INNER QUALITY

## Glass

Anti-reflective coating to increase the module efficiency up to 2%  
Light transmittance improvement above 3%  
Self-cleaning function



## Cell

High power efficiency  
Stable performance under weak light conditions  
PID free



## Eva Film

Light transmittance more than 92%  
Snail trail prevention treatment  
UV resistance against ageing



## Back Sheet

Low moisture permeability against snail trail defect  
Excellent electric insulation for high system voltage up to 1500V  
Outstanding weatherproof performance



## Frame

Strong mechanical load resistance up to 5400 Pa  
Anodic oxidation layer resistant to chemical corrosion  
Silver and black color optional



## Junction Box

IP 67 protection grade  
High quality diodes for electric safety  
1500V system voltage available

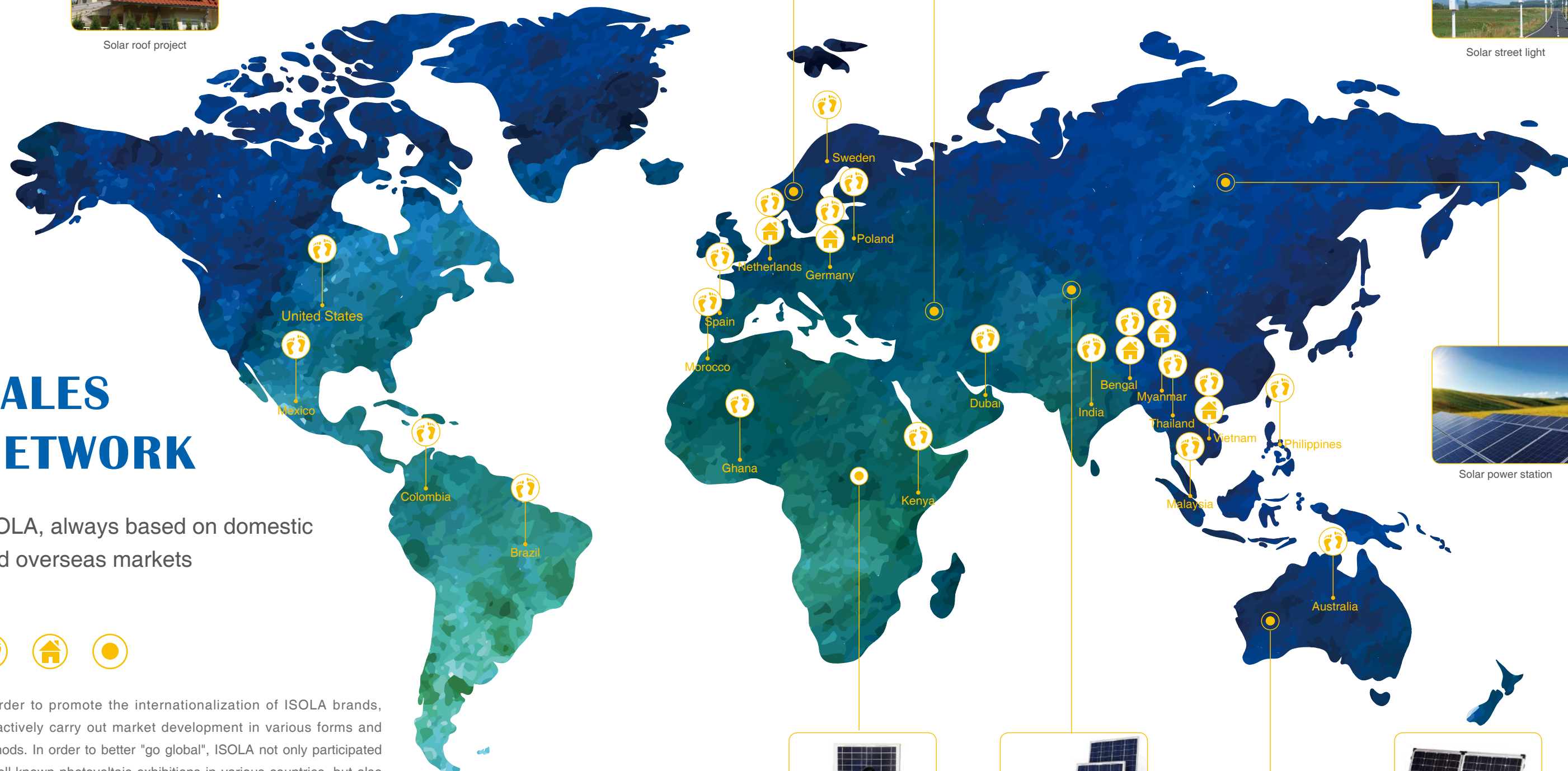




Solar roof project



Solar street light



Solar power station

# SALES NETWORK

ISOLA, always based on domestic and overseas markets



In order to promote the internationalization of ISOLA brands, we actively carry out market development in various forms and methods. In order to better "go global", ISOLA not only participated in well-known photovoltaic exhibitions in various countries, but also promoted operations through localized talents and target products. After years of efforts, the number of solar panels ISOLA exported to Europe, South America and Southeast Asian countries has increased significantly.

At present, Spain, Germany, Poland, Sweden, Brazil, Argentina, Chile, Malaysia, the Philippines, Indonesia, Vietnam, Bangladesh, etc have become our main market countries.



Off grid solar home system



Solar panels 3-400W Poly and Mono



Folding panels

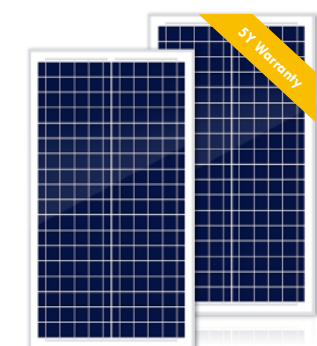


**YH5W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH5W-18P		
Peak Power(Pmax)	5		
Maximum Power Voltage(Vmp)	18.21		
Maximum Power Current(Imp)	0.28		
Open Circuit Voltage(Voc)	21.85		
Short Circuit Current(Isc)	0.31		
Module Efficiency(%)	10.74		
Output cables	Without cables and connector		
Packing: 5pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
39.18*19.59 Poly	36(4*9)	245*190*17mm	0.5kg

**YH30W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH30W-18P		
Peak Power(Pmax)	30		
Maximum Power Voltage(Vmp)	18.15		
Maximum Power Current(Imp)	1.66		
Open Circuit Voltage(Voc)	21.8		
Short Circuit Current(Isc)	1.8		
Module Efficiency(%)	12.8		
Output cables	Without cables and connector		
Packing: 5pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*31.35 Poly	36(2*18)	650*360*25mm	2.5kg

**YH10W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH10W-18P		
Peak Power(Pmax)	10		
Maximum Power Voltage(Vmp)	18.37		
Maximum Power Current(Imp)	0.55		
Open Circuit Voltage(Voc)	22.05		
Short Circuit Current(Isc)	0.58		
Module Efficiency(%)	10.24		
Output cables	Without cables and connector		
Packing: 5pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
78*22.31 Poly	36(4*9)	275*355*17mm	1.1kg

**YH40W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH40W-18P		
Peak Power(Pmax)	40		
Maximum Power Voltage(Vmp)	18.23		
Maximum Power Current(Imp)	2.2		
Open Circuit Voltage(Voc)	21.06		
Short Circuit Current(Isc)	2.4		
Module Efficiency(%)	14.09		
Output cables	Without cables and connector		
Packing: 5pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*39 Poly	36(4*9)	425*668*25mm	2.98kg

**YH20W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH20W-18P		
Peak Power(Pmax)	20		
Maximum Power Voltage(Vmp)	18.36		
Maximum Power Current(Imp)	1.09		
Open Circuit Voltage(Voc)	22.96		
Short Circuit Current(Isc)	1.18		
Module Efficiency(%)	11.45		
Output cables	Without cables and connector		
Packing: 5pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*22.3 Poly	36(2*18)	485*360*25mm	1.85kg

**YH50W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH50W-18P		
Peak Power(Pmax)	50		
Maximum Power Voltage(Vmp)	18.15		
Maximum Power Current(Imp)	2.76		
Open Circuit Voltage(Voc)	21.96		
Short Circuit Current(Isc)	2.99		
Module Efficiency(%)	13.73		
Output cables	Without cables and connector		
Packing: 5pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*52.25 Poly	36(4*9)	545*668*30mm	3.8kg



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STC Irradiance 1000W/m<sup>2</sup> Cell Temperature 25 C AM=1.5  
 NOCT Irradiance 800W/m<sup>2</sup> Ambient Temperature 20 C AM=1.5

STC Irradiance 1000W/m<sup>2</sup> Cell Temperature 25 C AM=1.5  
 NOCT Irradiance 800W/m<sup>2</sup> Ambient Temperature 20 C AM=1.5



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**YH60W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH60W-18P		
Peak Power(Pmax)	60		
Maximum Power Voltage(Vmp)	19.25		
Maximum Power Current(Imp)	3.12		
Open Circuit Voltage(Voc)	23.1		
Short Circuit Current(Isc)	3.37		
Module Efficiency(%)	14.03		
Output cables	Without cables and connector		
Packing: 2pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*63 Poly	36(4*9)	640*668*30mm	4.6kg

**YH90W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH90W-18P		
Peak Power(Pmax)	90		
Maximum Power Voltage(Vmp)	19.12		
Maximum Power Current(Imp)	4.7		
Open Circuit Voltage(Voc)	23.04		
Short Circuit Current(Isc)	5.05		
Module Efficiency(%)	14.89		
Output cables	2.5mm <sup>2</sup> cable 50cm+mc4		
Packing: 2pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*93 Poly	36(4*9)	905*668*30mm	6.35kg

**YH70W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH70W-18P		
Peak Power(Pmax)	70		
Maximum Power Voltage(Vmp)	19.01		
Maximum Power Current(Imp)	3.69		
Open Circuit Voltage(Voc)	22.82		
Short Circuit Current(Isc)	3.98		
Module Efficiency(%)	14.97		
Output cables	2.5mm <sup>2</sup> cable 50cm+mc4		
Packing: 2pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*70 Poly	36(4*9)	700*668*30mm	4.9kg

**YH100W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH100W-18P		
Peak Power(Pmax)	100		
Maximum Power Voltage(Vmp)	18.78		
Maximum Power Current(Imp)	5.32		
Open Circuit Voltage(Voc)	22.64		
Short Circuit Current(Isc)	5.7		
Module Efficiency(%)	16.5		
Output cables	2.5mm <sup>2</sup> cable 50cm+mc4		
Packing: 2pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*104 Poly	36(4*9)	1005*668*30mm	7.1kg

**YH80W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH80W-18P		
Peak Power(Pmax)	80		
Maximum Power Voltage(Vmp)	19.42		
Maximum Power Current(Imp)	4.12		
Open Circuit Voltage(Voc)	23.34		
Short Circuit Current(Isc)	4.38		
Module Efficiency(%)	15.56		
Output cables	2.5mm <sup>2</sup> cable 50cm+mc4		
Packing: 2pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*78 Poly	36(4*9)	770*668*30mm	5.4kg

**YH110W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH110W-18P		
Peak Power(Pmax)	110		
Maximum Power Voltage(Vmp)	18.83		
Maximum Power Current(Imp)	5.84		
Open Circuit Voltage(Voc)	22.5		
Short Circuit Current(Isc)	6.19		
Module Efficiency(%)	14.57		
Output cables	2.5mm <sup>2</sup> cable 50cm+mc4		
Packing: 2pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*117 Poly	36(4*9)	1120*668*30mm	7.9kg



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STC Irradiance 1000W/m<sup>2</sup> Cell Temperature 25 C AM=1.5  
 NOCT Irradiance 800W/m<sup>2</sup> Ambient Temperature 20 C AM=1.5

STC Irradiance 1000W/m<sup>2</sup> Cell Temperature 25 C AM=1.5  
 NOCT Irradiance 800W/m<sup>2</sup> Ambient Temperature 20 C AM=1.5



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**YH120W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH120W-18P		
Peak Power(Pmax)	120		
Maximum Power Voltage(Vmp)	19.29		
Maximum Power Current(Imp)	6.23		
Open Circuit Voltage(Voc)	23.05		
Short Circuit Current(Isc)	6.61		
Module Efficiency(%)	15.9		
Output cables	2.5mm <sup>2</sup> cable 50cm+mc4		
Packing: 2pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156*117 Poly	36(4*9)	1120*668*30mm	7.9kg

**YH130W-18P**




ELECTRICAL DATA(STC)			
Model Type	YH130W-18P		
Peak Power(Pmax)	130		
Maximum Power Voltage(Vmp)	19.05		
Maximum Power Current(Imp)	6.83		
Open Circuit Voltage(Voc)	22.77		
Short Circuit Current(Isc)	7.25		
Module Efficiency(%)	15.82		
Output cables	2.5mm <sup>2</sup> cable 50cm+mc4		
Packing: 2pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*130 Poly	36(4*9)	1230*668*30mm	8.63kg


**YH135W-18P**



ELECTRICAL DATA(STC)			
Model Type	YH135W-18P		
Peak Power(Pmax)	135		
Maximum Power Voltage(Vmp)	18.5		
Maximum Power Current(Imp)	7.3		
Open Circuit Voltage(Voc)	22.2		
Short Circuit Current(Isc)	7.9		
Module Efficiency(%)	16.17		
Output cables	Without cables and connector		
Packing: 2pcs/box			
Cell Type	No. of Cells	Dimensions	Weight
156.75*130 Ploy	36(4*9)	1230*668*30mm	8.63kg

**36P PERC**  
**140W-155W**

 **Outstanding mechanical load resistance**  
2400 Pa wind load, 5400 Pa snow load

 **Anti-PID(potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours

 **Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TÜV

 **Double electroluminescence ( EL ) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules



**ELECTRICAL PERFORMANCE**

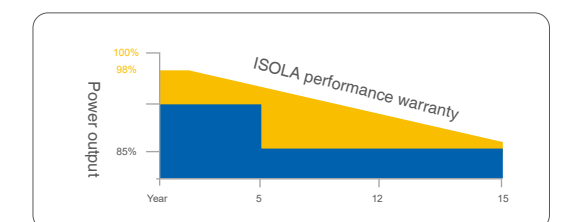
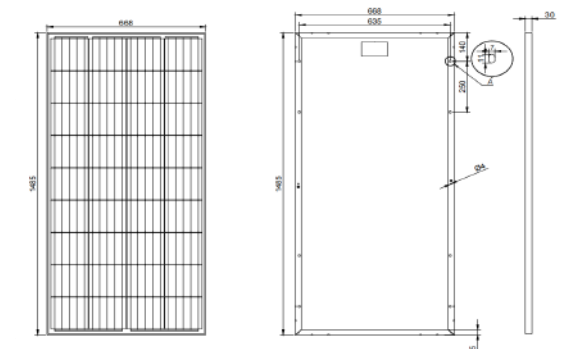
Model Type	YH140W-18P		YH150W-18P		YH155W-18P	
Dimensions (L / W / H)	1485x668x30		1485x668x30		1485x668x30	
	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	140	104	150	112	155	115
Maximum Power Voltage (Vmp)	18.18	16.72	18.97	17.45	18.20	17.00
Maximum Power Current (Imp)	7.7	6.22	7.91	6.42	8.52	6.77
Open Circuit Voltage (Voc)	22.07	20.30	22.54	21.2	21.84	20.40
Short Circuit Current (Isc)	8.2	6.62	8.36	6.83	9.03	7.18
Module Efficiency(%)	14.11		15.12		15.63	

**THERMAL CHARACTERISTICS & OPERATING CONDITIONS**

Maximum System Voltage(V)	1000V
Maximum Series Fuse Rating(A)	15
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C )	-0.350%
Voc Temperature Coefficients(V/°C )	-0.250%
Isc Temperature Coefficients(A/°C )	+0.040%
NOCT Nominal Operating Cell Temperature(°C )	45±2
Operating and Storage Temperature(°C )	-40°C~+85°C

**CONSTRUCTION MATERIALS**

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	156.75x156.75 Poly
No. of Cells	36(4*9)
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP65/IP67
Cable (Length/Cross-Sectional Area)	2.5mm <sup>2</sup> cable 50cm+mc4







**PACKAGING SPECIFICATIONS**

- 20FT container 6Packages/672PCS
- 40HQ container 15Packages/1590PCS



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STC  Irradiance 1000W/m<sup>2</sup>  Cell Temperature 25 °C AM=1.5  
NOCT  Irradiance 800W/m<sup>2</sup>  Ambient Temperature 20 °C AM=1.5

STC  Irradiance 1000W/m<sup>2</sup>  Cell Temperature 25 °C AM=1.5  
NOCT  Irradiance 800W/m<sup>2</sup>  Ambient Temperature 20 °C AM=1.5







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# 36P PERC

## 160W-170W

-  **Outstanding mechanical load resistance**  
2400 Pa wind load, 5400 Pa snow load
-  **Anti-PID(potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours
-  **Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TUV
-  **Double electroluminescence ( EL ) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules

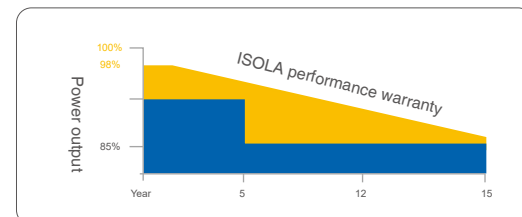
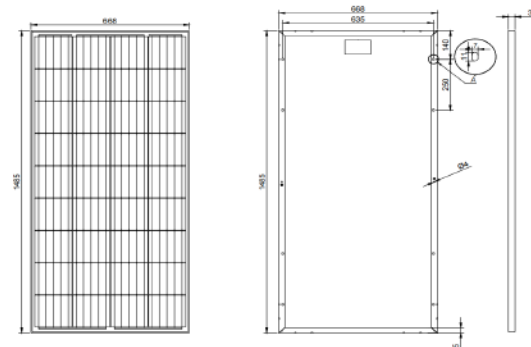


### ELECTRICAL PERFORMANCE

Model Type	YH160W-18P		YH165W-18P		YH170W-18P	
	STC	NOCT	STC	NOCT	STC	NOCT
Dimensions (L / W / H)	1485x668x30		1485x668x30		1485x668x30	
Peak Power at STC (Pmax)	160	119	165	123	170	127
Maximum Power Voltage (Vmp)	19.54	17.97	19.10	17.58	19.23	17.70
Maximum Power Current (Imp)	8.19	6.62	8.64	7.00	8.85	7.18
Open Circuit Voltage (Voc)	23.16	21.59	22.92	21.09	23.08	21.24
Short Circuit Current (Isc)	8.65	7.05	9.16	7.42	9.38	7.61
Module Efficiency(%)	16.13		16.63		17.13	

### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1000V
Maximum Series Fuse Rating(A)	15
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.250%
Isc Temperature Coefficients(A/°C)	+0.040%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40°C~+85°C







### CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	156.75x156.75 Poly
No. of Cells	36(4x9)
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP65/IP67
Cable (Length/Cross-Sectional Area)	2.5mm² cable 50cm+mc4

### PACKAGING SPECIFICATIONS

- 20FT container 7 Packages/ 672PCS
- 40HQ container 15Packages/1590PCS

STC  Irradiance 1000W/m²  Cell Temperature 25 °C AM=1.5  
NOCT  Irradiance 800W/m²  Ambient Temperature 20 °C AM=1.5







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# 48P PERC

## 190W-220W

-  **Outstanding mechanical load resistance**  
2400 Pa wind load, 5400 Pa snow load
-  **Anti-PID(potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours
-  **Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TUV
-  **Double electroluminescence ( EL ) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules

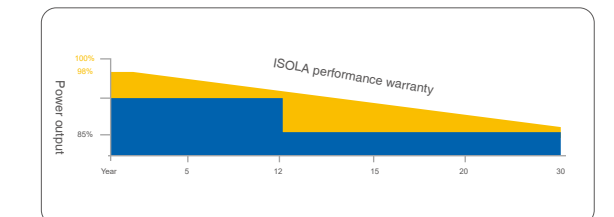
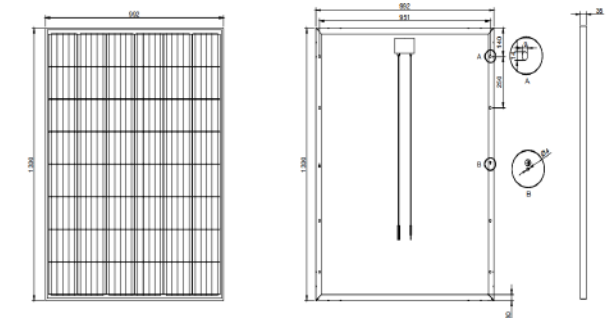


### ELECTRICAL PERFORMANCE

Model Type	YH190W-24P		YH200W-24P		YH210W-24P		YH220W-24P	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Dimensions (L / W / H)	1330x992x35		1330x992x35		1330x992x35		1330x992x35	
Peak Power at STC (Pmax)	190	140	200	148	210	156	220	161
Maximum Power Voltage (Vmp)	24.41	22.21	24.39	22.44	25.21	23.19	25.11	22.85
Maximum Power Current (Imp)	7.99	6.30	8.2	6.6	8.33	6.73	8.76	7.05
Open Circuit Voltage (Voc)	29.29	26.65	29.27	26.93	30.25	27.83	30.13	26.59
Short Circuit Current (Isc)	8.47	6.68	8.69	6.70	8.83	7.13	9.29	7.75
Module Efficiency(%)	14.43		15.16		15.92		16.9	

### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1500V
Maximum Series Fuse Rating(A)	15
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.350%
Voc Temperature Coefficients(V/°C)	-0.250%
Isc Temperature Coefficients(A/°C)	+0.040%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40°C~+85°C



### CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	156.75*156.75 Poly
No. of Cells	48(6*8)
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP65/IP67
Cable (Length/Cross-Sectional Area)	2.5mm² cable 50cm+mc4

### PACKAGING SPECIFICATIONS

- 20FT container 16Packages/496PCS
- 40HQ container 34Packages/1048PCS

STC  Irradiance 1000W/m²  Cell Temperature 25 °C AM=1.5  
NOCT  Irradiance 800W/m²  Ambient Temperature 20 °C AM=1.5



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# 54P PERC 230W-240W

- Outstanding mechanical load resistance**  
2400 Pa wind load, 5400 Pa snow load
- Anti-PID(potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours
- Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TUV
- Double electroluminescence ( EL ) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules

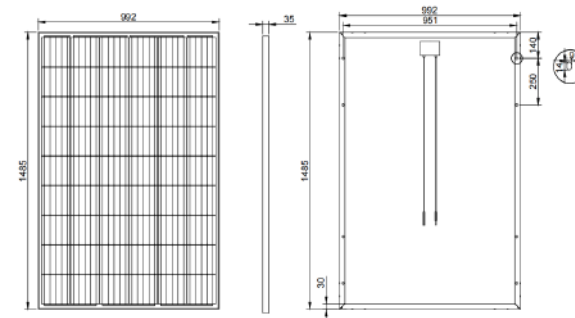


### ELECTRICAL PERFORMANCE

Model Type	YH230W-24P		YH240W-24P	
	STC	NOCT	STC	NOCT
Dimensions (L / W / H)	1485x992x35		1485x992x35	
Peak Power at STC (Pmax)	230	171	240	179
Maximum Power Voltage (Vmp)	27.82	25.59	28.4	26.13
Maximum Power Current (Imp)	8.27	6.68	8.45	6.85
Open Circuit Voltage (Voc)	33.01	30.33	33.73	30.97
Short Circuit Current (Isc)	8.78	7.09	8.92	7.27
Module Efficiency(%)	16.9		16.29	

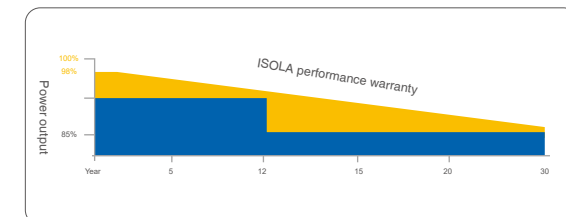
### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1000V
Maximum Series Fuse Rating(A)	15
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.400%
Voc Temperature Coefficients(V/°C)	-0.290%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40°C~+85°C



### CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	156.75*156.75 Poly
No. of Cells	54(6*8)
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP65/IP67
Cable (Length/Cross-Sectional Area)	4mm² cable 90cm+mc4



### PACKAGING SPECIFICATIONS

- 20FT container 16Packages/434pcs
- 40HQ container 34Packages/930PCS



Please Scan Code

STC ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25 °C AM=1.5  
NOCT ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20 °C AM=1.5

# 60P PERC 250W-270W

- Outstanding mechanical load resistance**  
2400 Pa wind load, 5400 Pa snow load
- Anti-PID(potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours
- Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TUV
- Double electroluminescence ( EL ) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules

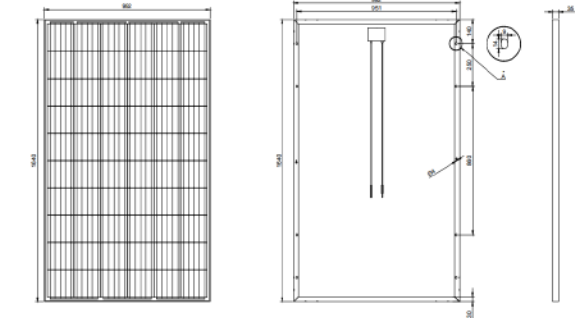


### ELECTRICAL PERFORMANCE

Model Type	YH250W-30P		YH260W-30P		YH270W-30P	
	STC	NOCT	STC	NOCT	STC	NOCT
Dimensions (L / W / H)	1640x992x35		1640x992x35		1640x992x35	
Peak Power at STC (Pmax)	250	186	260	194	270	201
Maximum Power Voltage (Vmp)	30.41	27.97	31.21	28.71	31.8	29.25
Maximum Power Current (Imp)	8.22	6.65	8.33	6.76	8.49	6.87
Open Circuit Voltage (Voc)	36.49	33.56	37.45	34.45	38.16	35.1
Short Circuit Current (Isc)	8.71	15.37	8.83	7.17	9.00	7.28
Module Efficiency(%)	15.38		15.98		16.6	

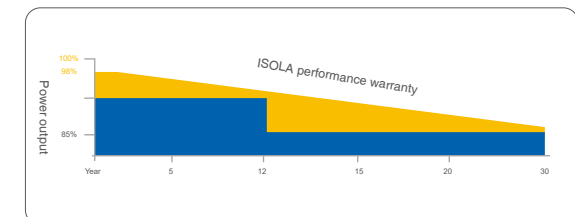
### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1000V
Maximum Series Fuse Rating(A)	15
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.400%
Voc Temperature Coefficients(V/°C)	-0.290%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40°C~+85°C



### CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	156.75*156.75 Poly
No. of Cells	60(6*10)
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP65/IP67
Cable (Length/Cross-Sectional Area)	4mm² cable 90cm+mc4



### PACKAGING SPECIFICATIONS

- 20FT container 14Packages/400pcs
- 40HQ container 28Packages/924PCS







Please Scan Code

STC ☀ Irradiance 1000W/m² 🌡 Cell Temperature 25 °C AM=1.5  
NOCT ☀ Irradiance 800W/m² 🌡 Ambient Temperature 20 °C AM=1.5



# 60P PERC

## 275W-280W

-  **Outstanding mechanical load resistance**  
2400 Pa wind load, 5400 Pa snow load
-  **Anti-PID(potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours
-  **Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TUV
-  **Double electroluminescence ( EL ) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules

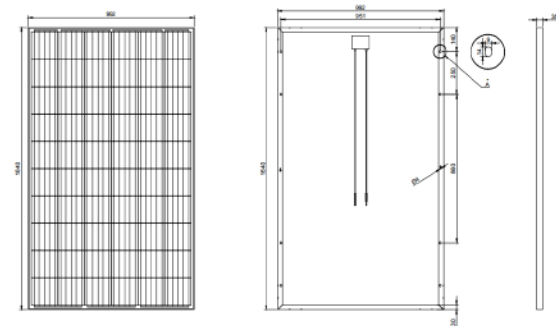


### ELECTRICAL PERFORMANCE

Model Type	YH275W-30P		YH280W-30P	
Dimensions (L / W / H)	1640x992x35		1640x992x35	
	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	275	205	280	208
Maximum Power Voltage (Vmp)	31.92	29.36	31.94	29.39
Maximum Power Current (Imp)	8.62	6.98	8.77	7.08
Open Circuit Voltage (Voc)	38.30	35.23	38.33	35.27
Short Circuit Current (Isc)	9.14	7.40	9.30	7.50
Module Efficiency(%)	16.90		17.21	

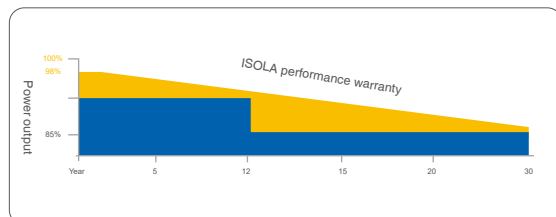
### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

<b>Maximum System Voltage(V)</b>	<b>1000V</b>
Maximum Series Fuse Rating(A)	15
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C )	-0.400%
Voc Temperature Coefficients(V/°C )	-0.290%
Isc Temperature Coefficients(A/°C )	+0.048%
NOCT Nominal Operating Cell Temperature(°C )	45±2
Operating and Storage Temperature(°C )	-40°C~+85°C



### CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	156.75*156.75 Poly
No. of Cells	60(6*10)
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP65/IP67
Cable (Length/Cross-Sectional Area)	4mm <sup>2</sup> cable 90cm+mc4







### PACKAGING SPECIFICATIONS

- 20FT container 14Packages/400pcs
- 40HQ container 28Packages/924PCS







Please Scan Code

STC  Irradiance 1000W/m<sup>2</sup>  Cell Temperature 25 °C AM=1.5  
NOCT  Irradiance 800W/m<sup>2</sup>  Ambient Temperature 20 °C AM=1.5



# 72P PERC

## 300W-320W

-  **Outstanding mechanical load resistance**  
2400 Pa wind load, 5400 Pa snow load
-  **Anti-PID(potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours
-  **Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TUV
-  **Double electroluminescence ( EL ) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules

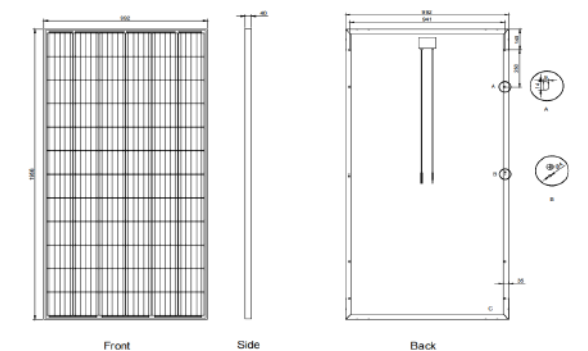


### ELECTRICAL PERFORMANCE

Model Type	YH300W-36P		YH310W-36P		YH320W-36P	
Dimensions (L / W / H)	1956x992x40		1956x992x40		1956x992x40	
	STC	NOCT	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	300	223	310	230	320	238
Maximum Power Voltage (Vmp)	36.72	33.78	37.3	34.31	37.87	34.84
Maximum Power Current (Imp)	8.17	6.6	8.31	6.7	8.45	6.83
Open Circuit Voltage (Voc)	44.02	40.54	44.76	41.17	45.44	41.81
Short Circuit Current (Isc)	8.66	7.0	8.81	7.10	8.96	7.24
Module Efficiency(%)	15.46		15.98		16.49	

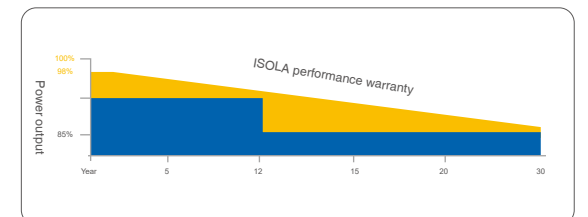
### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

<b>Maximum System Voltage(V)</b>	<b>1000V</b>
Maximum Series Fuse Rating(A)	15
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C )	-0.380%
Voc Temperature Coefficients(V/°C )	-0.330%
Isc Temperature Coefficients(A/°C )	+0.048%
NOCT Nominal Operating Cell Temperature(°C )	45±2
Operating and Storage Temperature(°C )	-40°C~+85°C



### CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	156.75*156.75 Poly
No. of Cells	72(6*12)
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP65/IP67
Cable (Length/Cross-Sectional Area)	4mm <sup>2</sup> cable 90cm+mc4



### PACKAGING SPECIFICATIONS

- 20FT container 12Packages/324PCS
- 40HQ container 24Packages/720PCS







Please Scan Code

STC  Irradiance 1000W/m<sup>2</sup>  Cell Temperature 25 °C AM=1.5  
NOCT  Irradiance 800W/m<sup>2</sup>  Ambient Temperature 20 °C AM=1.5



# APPLICATION DIAGRAM

## 72P PERC 330W-340W

-  **Outstanding mechanical load resistance**  
2400 Pa wind load, 5400 Pa snow load
-  **Anti-PID(potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours
-  **Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test, dust&sand test, fire test, all certified by TUV
-  **Double electroluminescence ( EL ) tests**  
Carefully inspected before and after lamination to guarantee fault-free modules

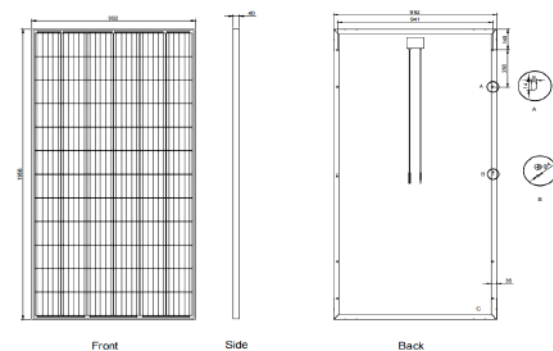


### ELECTRICAL PERFORMANCE

Model Type	YH330W-36P		YH340W-36P	
Dimensions (L / W / H)	1956x992x40		1956x992x40	
	STC	NOCT	STC	NOCT
Peak Power at STC (Pmax)	330	246	340	252
Maximum Power Voltage (Vmp)	38.64	35.54	37.42	34.42
Maximum Power Current (Imp)	8.54	6.92	9.09	7.33
Open Circuit Voltage (Voc)	46.37	42.65	44.91	41.30
Short Circuit Current (Isc)	9.05	7.34	9.64	7.77
Module Efficiency(%)	17.01		17.52	

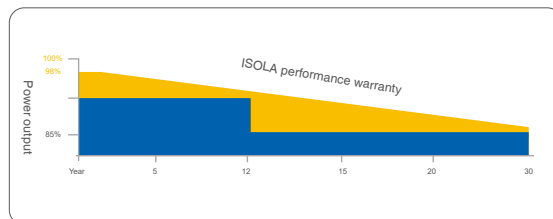
### THERMAL CHARACTERISTICS & OPERATING CONDITIONS

Maximum System Voltage(V)	1000V
Maximum Series Fuse Rating(A)	15
Power Tolerance	0~+3%
Pmax Temperature Coefficients(W/°C)	-0.380%
Voc Temperature Coefficients(V/°C)	-0.330%
Isc Temperature Coefficients(A/°C)	+0.048%
NOCT Nominal Operating Cell Temperature(°C)	45±2
Operating and Storage Temperature(°C)	-40°C~+85°C





### CONSTRUCTION MATERIALS

Front Cover (Material / Thickness)	low-iron tempered glass / 3.2mm
Cell (Quantity/Type/Dimensions)	156.75*156.75 Poly
No. of Cells	72(6*12)
Frame (Material)	Anodized Aluminium Alloy
Junction Box (Protection Degree)	IP65/IP67
Cable (Length/Cross-Sectional Area)	4mm² cable 90cm+mc4



### PACKAGING SPECIFICATIONS

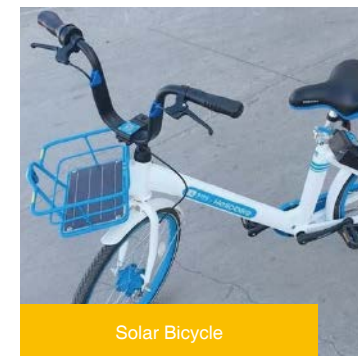
-  20FT container 12Packages/300PCS
-  40HQ container 24Packages/720PCS



Please Scan Code



5KW Roof Project



Solar Bicycle



Solar-Powered Pumps



Solar Street Lights



Color Steel Tile  
530KW Solar Power Project



Rooftop Installation  
10KW Solar Project



Flat Cement Floor  
3MW Solar Plant



Ground Installation  
5MW Solar Plant



Please Scan Code