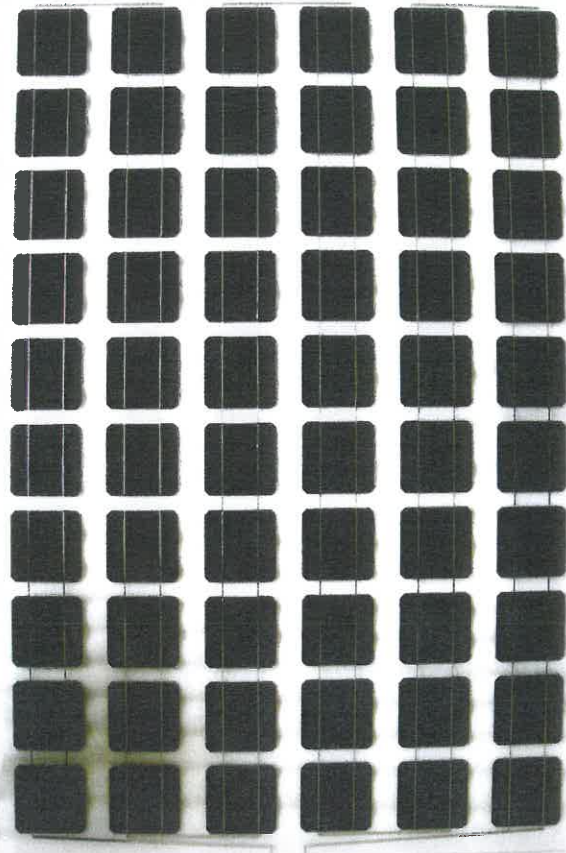


# BIPV:CHN 60M-C 6x3 162W

## M125x125

We focus on precise production and provide Customer with best cost-effective products to create Market Value for Customer

### BIPV:CHN 60M-C 6x3



Power tolerance (0~+3%) to ensure the high reliability of power output

Modules certified by TUV to with stand high level of wind loads (2400 Pa) and snow loads(5400 Pa)

Special PV Module Insurances by world leading insurance company guarantees the benefit of PV investors and PV module users

Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"

### Guaranteed Performance\*\*

**10** Years Manufacturing Warranty

**12** Years Warranty 90% Power Output

**25** Years Warranty 80% Power Output

Free module recycling through membership in the Ceres Cycle Association

### Choosing Chinaland Solar

- The most vertically integrated solar manufacturer in the industry with production modules using both mono crystalline and multi crystalline technology.
- Global distribution with local warehousing, delivery and after sales services.
- Modules certified by global testing facilities: IEC61215, IEC61730, CE, ROHS.
- Manufacturing with international quality standards and environment management system: ISO9001 and ISO14001, 18001.
- Most updated design with drainage holes in the frame ensures the modules to withstand various weather conditions.
- Minimal wiring effort required as the module has high reverse current resistance.

### MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 125x125mm
Number of cells	60(6X10)
Dimensions (AXBXC)	1574x1062x10.8mm
Weights	45kg
Front Glass	6.4mm tempered low iron glass
Back Glass	3.2mm tempered low iron glass
Junction Box	IP 65, with bypass diodes
Connector	MC4 compatible
Output Cables	TUV, ± length 900mm, 4.0mm <sup>2</sup>

### ELECTRICAL CHARACTERISTICS

Maximum Power at STC(Pmax)	162W
Short Circuit Current(Isc)	5.88A
Open Circuit Voltage(Voc)	36.2V
Maximum Power Current(Imp)	5.38 A
Maximum Power Voltage(Vmpp)	30.1V
Encapsulated Cell Efficiency	18.21%
Power Tolerance	0~+3%

STC: irradiance 1000W/m<sup>2</sup> Module temperature 25°C AM=1.5

### TEMPERATURE CHARACTERISTICS

Norminal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficient of Pmax	-0.44%°C
Temperature Coefficient of Voc	-0.34%°C
Temperature Coefficient of Isc	0.06%°C

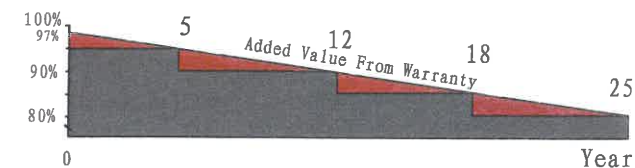
### PACKING CONFIGURATION

Container	20'GP	40'HQ
Pieces per pallet	21	21
Pallets per container	10	24
Pieces per container	210	504

### SYSTEM INTEGRATION PARAMETERS

Maximum system voltage	DC 1000V
Maximum Series Fuse	10A
Increased snowload acc. to IEC 61215	5400Pa
Operating Temperature	-40to+85°C
Number of bypass diodes	3 or 6

### INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



- Based on nominal power(pnom)
- 25-year transferrable power output warranty: 5 years/95%, 12 years/90%, 18 years/85%, 25 years/80%
- 10-year material and workmanship

### QUALIFICATIONS AND CERTIFICATES

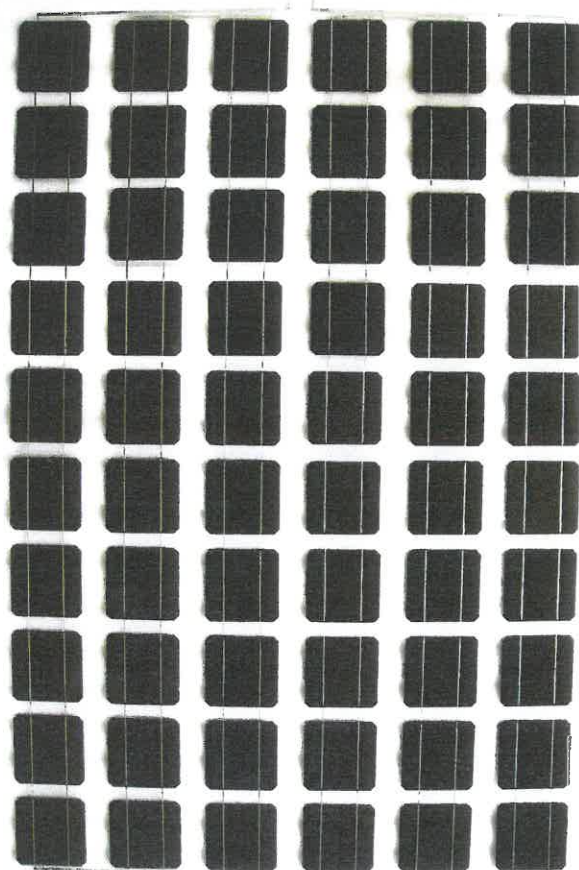






# BIPV:CHN 60M-C 6x6 160W

## M125x125

We focus on precise production and provide Customer with best cost-effective products to create Market Value for Customer

### BIPV:CHN 60M-C 6x6



-  Power tolerance ( 0~+3%) to ensure the high reliability of power output
-  Modules certified by TUV to with stand high level of wind loads (2400 Pa) and snow loads(5400 Pa)
-  Special PV Module Insurances by world leading insurance company guarantees the benefit of PV investors and PV module users
-  Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"

### Guaranteed Performance\*\*

**10** Years Manufacturing Warranty

**12** Years Warranty 90% Power Output

**25** Years Warranty 80% Power Output

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- Manufacturing with international quality standards and environment management system: ISO9001 and ISO14001, 18001.
- Most updated design with drainage holes in the frame ensures the modules to withstand various weather conditions.
- Minimal wiring effort required as the module has high reverse current resistance.

### MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 125x125mm
Number of cells	60(6X10)
Dimensions (AXBXC)	1574x1062x12.8mm
Weights	60kg
Front Glass	6.4mm tempered low iron glass
Back Glass	6.4mm tempered low iron glass
Junction Box	IP 65, with bypass diodes
Connector	MC4 compatible
Output Cables	TUV, ± length 900mm, 4.0mm <sup>2</sup>

### ELECTRICAL CHARACTERISTICS

Maximum Power at STC(Pmax)	160W
Short Circuit Current(Isc)	5.82A
Open Circuit Voltage(Voc)	36.2V
Maximum Power Current(Imp)	5.32 A
Maximum Power Voltage(Vmpp)	30.1V
Encapsulated Cell Efficiency	18.21%
Power Tolerance	0~+3%

STC:  irradiance 1000W/m<sup>2</sup>  Module temperature 25°C  AM=1.5

### TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficient of Pmax	-0.44%°C
Temperature Coefficient of Voc	-0.34%°C
Temperature Coefficient of Isc	0.06%°C

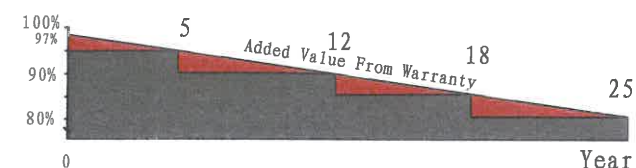
### PACKING CONFIGURATION

Container	20'GP	40'QP
Pieces per pallet	21	21
Pallets per container	10	24
Pieces per container	210	504

### SYSTEM INTEGRATION PARAMETERS

Maximum system voltage	DC 1000V
Maximum Series Fuse	10A
Increased snowload acc. to IEC 61215	5400Pa
Operating Temperature	-40to+85°C
Number of bypass diodes	3 or 6

### INDUSTRY-LEADING WARRANTY BASED ON NOMINAL POWER



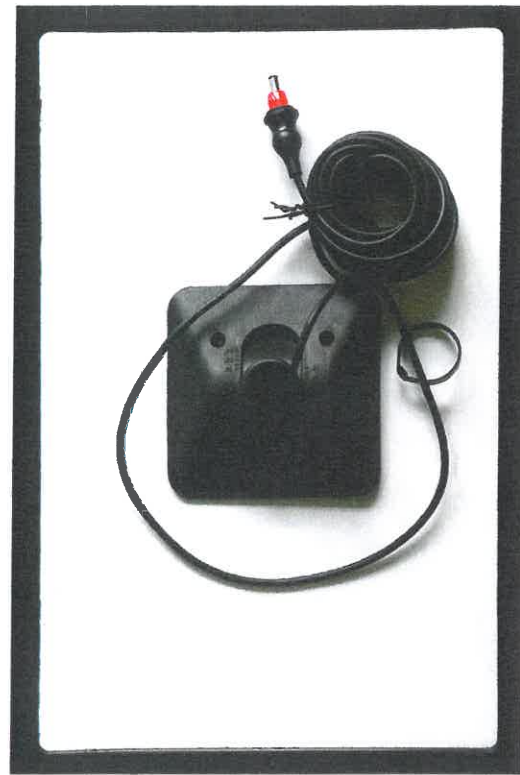
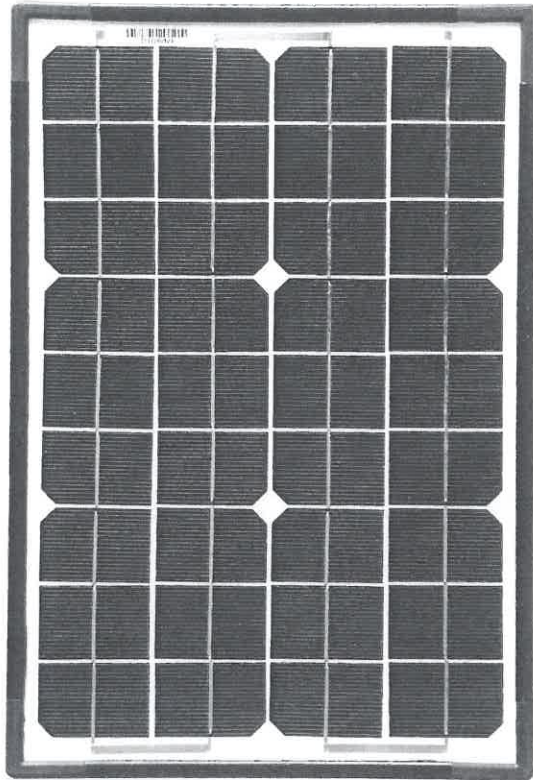
- Based on nominal power(pnom)
- 25-year transferrable power output warranty: 5 years/95%, 12 years/90% 18 years/85%, 25 years/80%
- 10-year material and workmanship

### QUALIFICATIONS AND CERTIFICATES

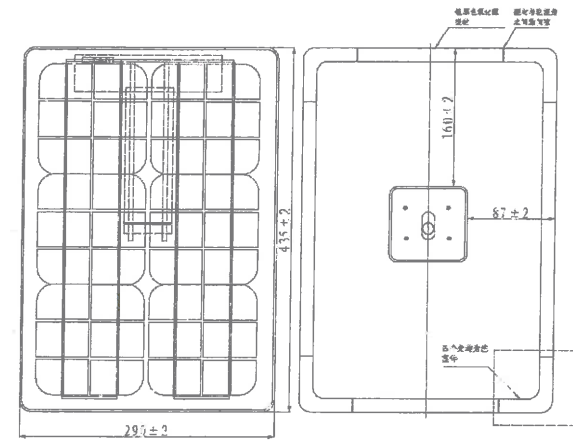


# CHN015-36M 15W

We focus on precise production and provide Customer with best cost-effective products to create Market Value for Customer



## MECHANICAL DRAWINGS



## MECHANICAL SPECIFICATION

Dimensions (length/width/thickness)	435x290x9.0(±2)mm
Weight	2.5kg
Construction	Superstrate: High transmission 3.2mm tempered low iron glass; Substrate: White BackSheet; Encapsulant: Fast Cure EVA
Frame	Clear anodized aluminium alloy type 6063T5; Color: black
Packing Configuration and Quantity per Pallet	2pcs per small carton and 10pcs per big carton
Container Loading Capacity	1680 pcs per 20 ft cubic container; 3600 pcs per 40 ft cubic container

## Typical Electrical Characteristics

Model Number		CHN015-36M
Rated Maximum Power-Pmax	WP	15
Power Tolerance	%	0~+3%
Maximum Power Voltage-Vmp	V	17.6
Maximum Power Current-Imp	A	0.85
Open Circuit Voltage-Voc	V	21.6
Short Circuit Current-Isc	A	1.35
Maximum System Voltage-VDC	V	1000
Encapsulated Solar Cell Efficiency-ηc	%	16.81
Module Efficiency-ηm	%	11.89
Solar Cell and Configuration		36 cells (62.5x41.66mm) in a 4x9 matrix connected in series
Solar Cell Technology & Size	mm	Mono Crystalline 125x125mm
Junction Box Type		Angle adjustable type
Maximum Series Fuse Rating	A	10
Temperature coefficient of Power	%/°C	-0.5
Temperature coefficient of Voc	%/°C	-0.35
Temperature coefficient of Isc	%/°C	0.06
NOCT	°C	45°C ±2°C
Operating Temperature	°C	-40 to +85°C

STC: irradiance 1000W/m<sup>2</sup> Module temperature 25°C AM=1.5



- Power tolerance (0~+3%) to ensure the high reliability of power output
- Modules certified by TUV to withstand high level of wind loads (2400 Pa) and snow loads (5400 Pa)
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- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"

## Guaranteed Performance\*\*

10 Years Manufacturing Warranty

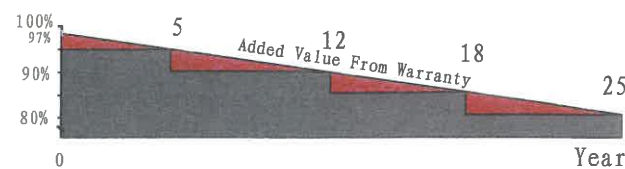
12 Years Warranty 90% Power Output

25 Years Warranty 80% Power Output

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- Based on nominal power (pnom)
- 25-year transferrable power output warranty: 5 years/95%, 12 years/90%, 18 years/85%, 25 years/80%
- 10-year material and workmanship