






Key Features



-  Full square poly crystalline modules designed for residential and utility applications, rooftop or ground mountings
-  High power output of more than 260W and module efficiency up to 16.0%
-  Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
-  Outstanding performance in low-light irradiance environments
-  Excellent mechanical load resistance: certified to withstand high wind loads(2400Pa) and snow loads(5400Pa)

Reliable Quality

Raw Material Control

- ✓ Only the materials certified by TUV officially will be approved.
- ✓ Strict material inspection before storehouse acceptance&production.

100% EL Double Test

- ✓ Front EL test before lamination to find revisable defect.
- ✓ Rear EL test before packing to avoid hidden quality threat.

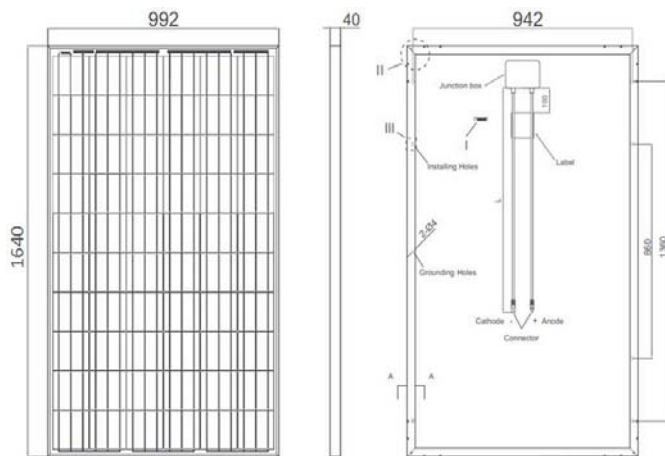
Superior Warranty

- ✓ 10-year limited product warranty for replacement or compensation.
- ✓ 25-year power output warranty for replacement or compensation.

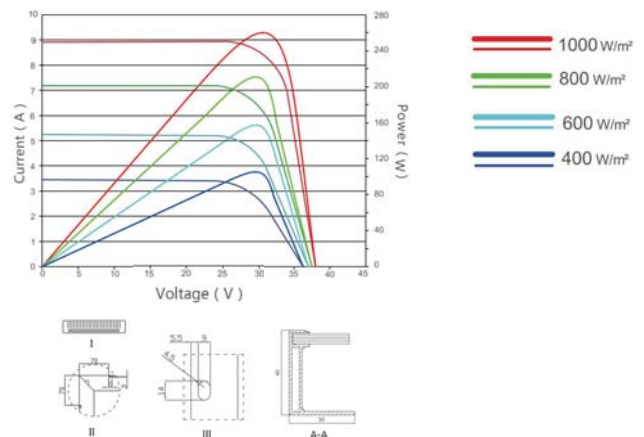
Comprehensive Certification

- ✓ TUV-NORD (IEC61215&61730)
- ✓ CE-NORD (2006/95/EC)
- ✓ ISO9001/14001:Quality/Environmental management systems

Engineering Front&Back Side Drawings



C-V&P-V Curves (260W)



Mechanical Characteristics

Cell Type	Poly 156×156 mm (6')
Number of Cells	60 (6×10)
Dimension	1640×992×40mm
Weight	19.0 kg
Front Glass	Low iron Tempered Glass, 3.2mm
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible

Temperature Characteristics

NOCT	45±2℃
Temperature coefficient of Pmax	-0.44%/℃
Temperature coefficient of Voc	-0.34%/℃
Temperature coefficient of Isc	0.06%/℃

NOCT(Nominal Operating Cell Temperature):

Irradiance 800W/m², Ambient temperature 20℃,
AM 1.5, Wind speed 1m/s

Electrical Characteristics Under STC

Module Type	ESUN240P-60	ESUN245P-60	ESUN250P-60	ESUN255P-60	ESUN260P-60
Maximum Power-Pmax (Wp)	240	245	250	255	260
Voltage at Maximum Power-Vmp (V)	29.4	29.6	30.0	30.3	30.7
Current at Maximum Power -Imp (A)	8.17	8.28	8.36	8.42	8.49
Open Circuit Voltage-Voc (V)	37.3	37.5	37.7	37.8	38.0
Short Circuit Current-Isc (A)	8.52	8.86	8.92	8.98	9.04
Module Efficiency- η_m (%)	14.8	15.1	15.4	15.7	16.0
Power Tolerance (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum System Voltage	1000VDC (IEC)				
Operating Temperature	-40℃ ~ +85℃				
Maximum Series Fuse	15A				

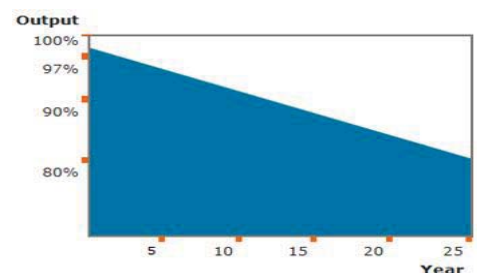
STC (Standard Testing Conditions) : Irradiance 1000/m², Cell temperature 25℃, AM 1.5

Packing Configuration

Pallet: 25 PCS
20'GP/40'GP: 300 PCS / 700 PCS
Pallet Size: 1660×1130×1130 MM
Pallet Gross Weight: 538 KGS

Superior Warranty






- ☀ 10-year product warranty
- ☀ 10-year warranty for 90% power output
- ☀ 25-year warranty for 80% power output



Electrical data in this sheet don't refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Key Features



-  Full square poly crystalline modules designed for residential and utility applications, rooftop or ground mountings
-  High power output of more than 310W and module efficiency up to 16.0%
-  Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
-  Outstanding performance in low-light irradiance environments
-  Excellent mechanical load resistance: certified to withstand high wind loads(2400Pa) and snow loads(5400Pa)

Reliable Quality

Raw Material Control

- ✓ Only the materials certified by TUV officially will be approved.
- ✓ Strict material inspection before storehouse acceptance&production.

100% EL Double Test

- ✓ Front EL test before lamination to find revisable defect.
- ✓ Rear EL test before packing to avoid hidden quality threat.

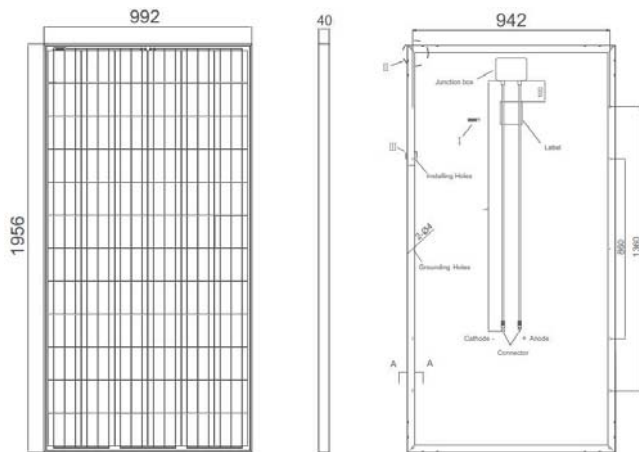
Superior Warranty

- ✓ 10-year limited product warranty for replacement or compensation.
- ✓ 25-year power output warranty for replacement or compensation.

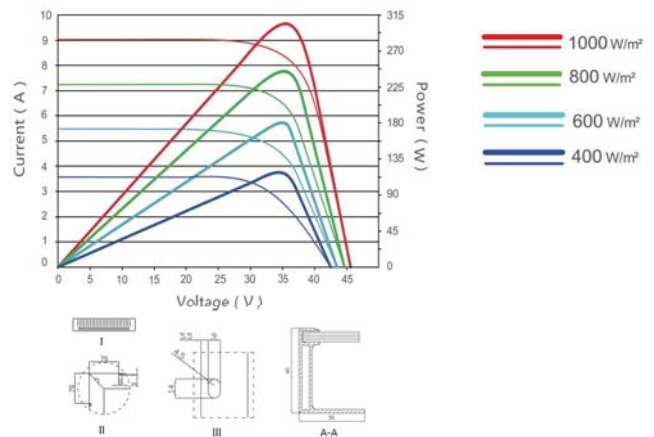
Comprehensive Certification

- ✓ TUV-NORD (IEC61215&61730)
- ✓ CE-NORD (2006/95/EC)
- ✓ ISO9001/14001:Quality/Environmental management systems

Engineering Front&Back Side Drawings



C-V&P-V Curves (305W)



Mechanical Characteristics

Cell Type	Poly 156×156 mm (6')
Number of Cells	72 (6×12)
Dimension	1956×992×40mm
Weight	26.5 kg
Front Glass	Low iron Tempered Glass, 3.2mm
Junction Box	IP67, 4 diodes
Connector	MC4 Compatible

Temperature Characteristics

NOCT	45±2℃
Temperature coefficient of Pmax	-0.44%/℃
Temperature coefficient of Voc	-0.34%/℃
Temperature coefficient of Isc	0.06%/℃

NOCT(Nominal Operating Cell Temperature):

Irradiance 800W/m², Ambient temperature 20℃,
AM 1.5, Wind speed 1m/s

Electrical Characteristics Under STC

Module Type	ESUN290P-72	ESUN295P-72	ESUN300P-72	ESUN305P-72	ESUN310P-72
Maximum Power-Pmax (Wp)	290	295	300	305	310
Voltage at Maximum Power-Vmp (V)	35.9	36.2	36.6	36.8	37.0
Current at Maximum Power -Imp (A)	8.09	8.15	8.20	8.30	8.38
Open Circuit Voltage-Voc (V)	44.7	45.1	45.3	45.6	45.9
Short Circuit Current-Isc (A)	8.64	8.76	8.84	8.91	8.96
Module Efficiency- η_m (%)	14.9	15.2	15.5	15.7	16.0
Power Tolerance (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum System Voltage	1000VDC (IEC)				
Operating Temperature	-40℃ ~ +85℃				
Maximum Series Fuse	15A				

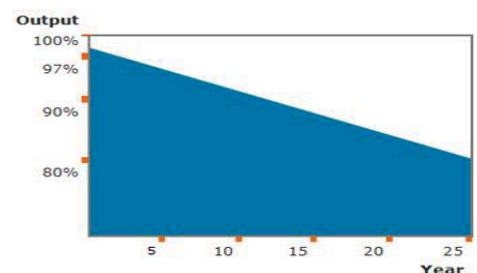
STC (Standard Testing Conditions) : Irradiance 1000/m², Cell temperature 25℃, AM 1.5

Packing Configuration

Pallet: 25 PCS
20'GP/40'GP: 250 PCS / 550 PCS
Pallet Size: 1990×1130×1130 MM
Pallet Gross Weight: 613 KGS

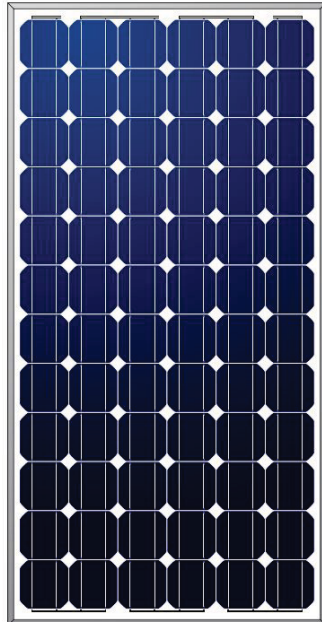
Superior Warranty






- ☀ 10-year product warranty
- ☀ 10-year warranty for 90% power output
- ☀ 25-year warranty for 80% power output



Electrical data in this sheet don't refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Key Features



-  Full square poly crystalline modules designed for residential and utility applications, rooftop or ground mountings
-  High power output of more than 215W and module efficiency up to 16.8%
-  Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
-  Outstanding performance in low-light irradiance environments
-  Excellent mechanical load resistance: certified to withstand high wind loads(2400Pa) and snow loads(5400Pa)

Reliable Quality

Raw Material Control

- ✓ Only the materials certified by TUV officially will be approved.
- ✓ Strict material inspection before storehouse acceptance&production.

100% EL Double Test

- ✓ Front EL test before lamination to find revisable defect.
- ✓ Rear EL test before packing to avoid hidden quality threat.

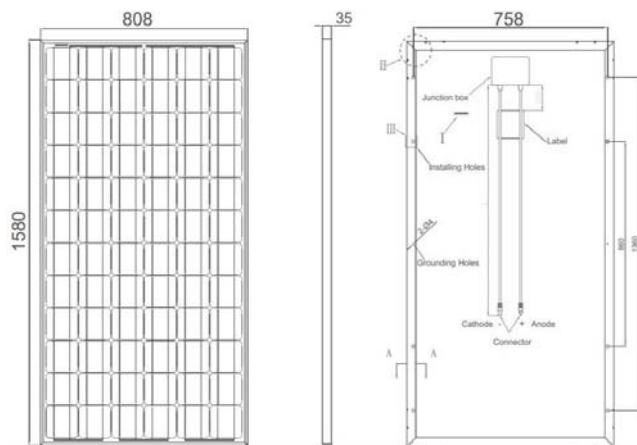
Superior Warranty

- ✓ 10-year limited product warranty for replacement or compensation.
- ✓ 25-year power output warranty for replacement or compensation.

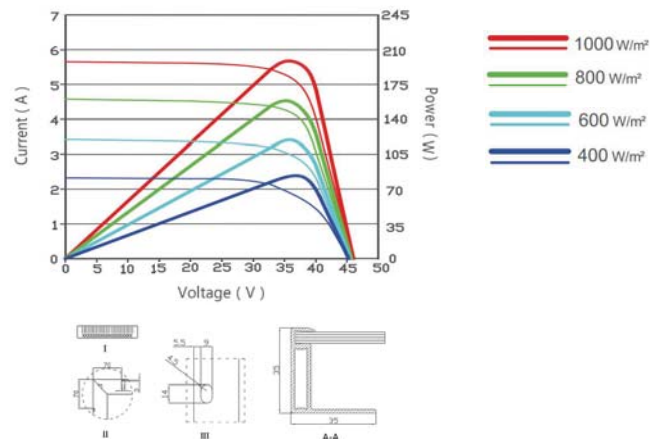
Comprehensive Certification

- ✓ TUV-NORD (IEC61215&61730)
- ✓ CE-NORD (2006/95/EC)
- ✓ ISO9001/14001:Quality/Environmental management systems

Engineering Front&Back Side Drawings



C-V&P-V Curves (195W)



Mechanical Characteristics

Cell Type	Mono 125×125 mm (5')
Number of Cells	72 (6×12)
Dimension	1580×808×35mm
Weight	14.5 kg
Front Glass	Low iron Tempered Glass, 3.2mm
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible

Temperature Characteristics

NOCT	45±2℃
Temperature coefficient of Pmax	-0.44%/℃
Temperature coefficient of Voc	-0.34%/℃
Temperature coefficient of Isc	0.06%/℃

NOCT(Nominal Operating Cell Temperature):

Irradiance 800W/m², Ambient temperature 20℃,
AM 1.5, Wind speed 1m/s

Electrical Characteristics Under STC

Module Type	ESUN195S-72	ESUN200S-72	ESUN205S-72	ESUN210S-72	ESUN215S-72
Maximum Power-Pmax (Wp)	195	200	205	210	215
Voltage at Maximum Power-Vmp (V)	36.8	36.9	37.2	37.4	37.7
Current at Maximum Power -Imp (A)	5.30	5.42	5.51	5.61	5.70
Open Circuit Voltage-Voc (V)	45.4	45.6	45.9	46.1	46.4
Short Circuit Current-Isc (A)	5.67	5.80	5.90	5.99	6.09
Module Efficiency-η _m (%)	15.3	15.7	16.1	16.5	16.8
Power Tolerance (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum System Voltage	1000VDC (IEC)				
Operating Temperature	-40℃ ~ +85℃				
Maximum Series Fuse	15A				

STC (Standard Testing Conditions) : Irradiance 1000/m², Cell temperature 25℃, AM 1.5

Packing Configuration

Pallet: 28 PCS

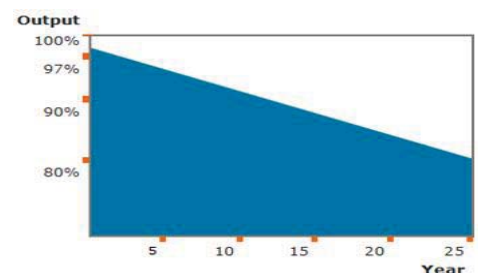
20'GP/40'GP: 336 PCS / 784 PCS

Pallet Size: 1600×1130×950 MM

Pallet Gross Weight: 425 KGS

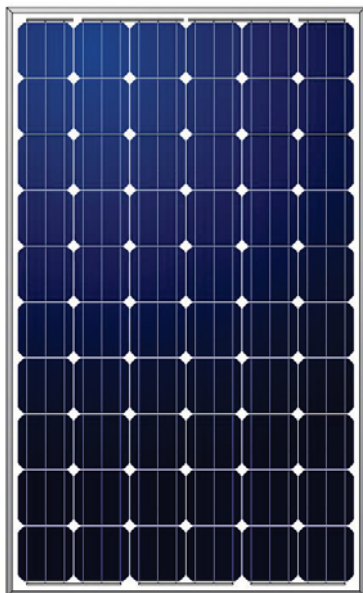
Superior Warranty

- ☀ 10-year product warranty
- ☀ 10-year warranty for 90% power output
- ☀ 25-year warranty for 80% power output



Electrical data in this sheet don't refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Key Features



Full square poly crystalline modules designed for residential and utility applications, rooftop or ground mountings



High power output of more than 270W and module efficiency up to 16.6%



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



Excellent mechanical load resistance: certified to withstand high wind loads(2400Pa) and snow loads(5400Pa)

Reliable Quality

Raw Material Control

- ✓ Only the materials certified by TUV officially will be approved.
- ✓ Strict material inspection before storehouse acceptance&production.

100% EL Double Test

- ✓ Front EL test before lamination to find revisable defect.
- ✓ Rear EL test before packing to avoid hidden quality threat.

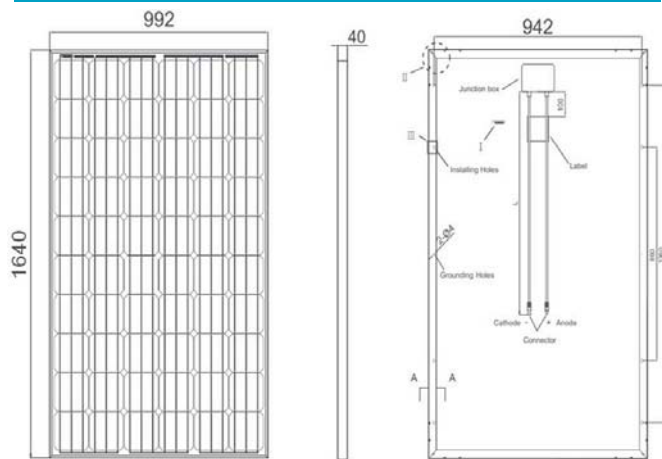
Superior Warranty

- ✓ 10-year limited product warranty for replacement or compensation.
- ✓ 25-year power output warranty for replacement or compensation.

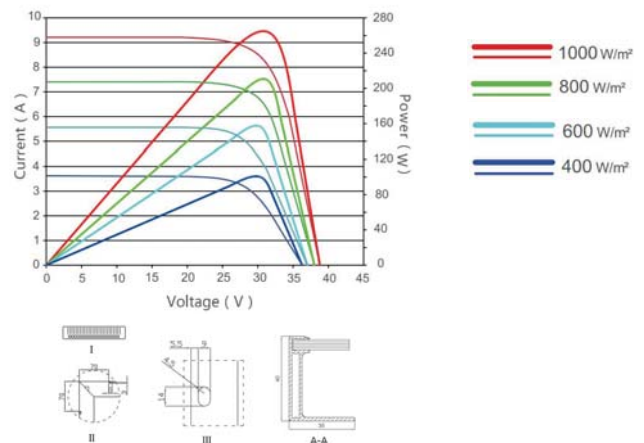
Comprehensive Certification

- ✓ TUV-NORD (IEC61215&61730)
- ✓ CE-NORD (2006/95/EC)
- ✓ ISO9001/14001:Quality/Environmental management systems

Engineering Front&Back Side Drawings



C-V&P-V Curves (265W)



Mechanical Characteristics

Cell Type	Mono 156×156 mm (6')
Number of Cells	60 (6×10)
Dimension	1640×992×40mm
Weight	19.0 kg
Front Glass	Low iron Tempered Glass, 3.2mm
Junction Box	IP67, 3 diodes
Connector	MC4 Compatible

Temperature Characteristics

NOCT	45±2℃
Temperature coefficient of Pmax	-0.44%/℃
Temperature coefficient of Voc	-0.34%/℃
Temperature coefficient of Isc	0.06%/℃

NOCT(Nominal Operating Cell Temperature):

Irradiance 800W/m², Ambient temperature 20℃,
AM 1.5, Wind speed 1m/s

Electrical Characteristics Under STC

Module Type	ESUN250M-60	ESUN255M-60	ESUN260M-60	ESUN265M-60	ESUN270M-60
Maximum Power-Pmax (Wp)	250	255	260	265	270
Voltage at Maximum Power-Vmp (V)	30.6	30.8	30.9	31.2	31.4
Current at Maximum Power -Imp (A)	8.18	8.28	8.42	8.50	8.60
Open Circuit Voltage-Voc (V)	37.7	37.8	37.9	38.2	38.4
Short Circuit Current-Isc (A)	8.86	8.96	9.10	9.19	9.28
Module Efficiency-η _m (%)	15.4	15.7	16.0	16.3	16.6
Power Tolerance (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum System Voltage	1000VDC (IEC)				
Operating Temperature	-40℃ ~ +85℃				
Maximum Series Fuse	15A				

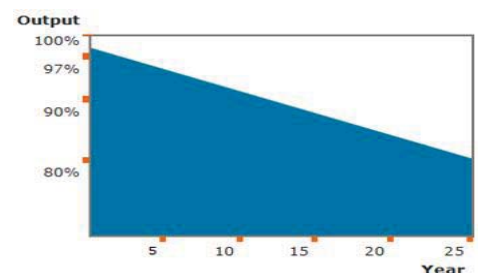
STC (Standard Testing Conditions) : Irradiance 1000/m², Cell temperature 25℃, AM 1.5

Packing Configuration

Pallet: 25 PCS
20'GP/40'GP: 300 PCS / 700 PCS
Pallet Size: 1660×1130×1130 MM
Pallet Gross Weight: 538 KGS

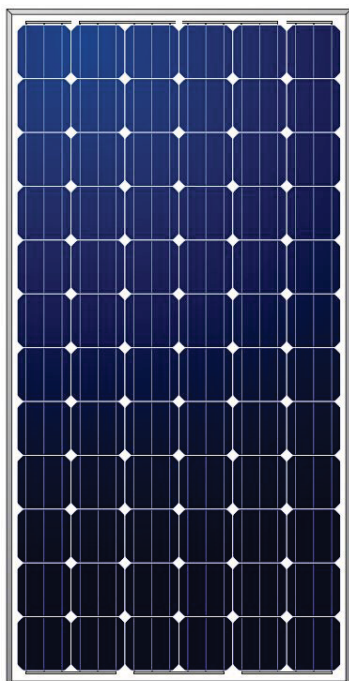
Superior Warranty

- ☀ 10-year product warranty
- ☀ 10-year warranty for 90% power output
- ☀ 25-year warranty for 80% power output



Electrical data in this sheet don't refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

Key Features



Full square poly crystalline modules designed for residential and utility applications, rooftop or ground mountings



High power output of more than 320W and module efficiency up to 16.5%



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



Excellent mechanical load resistance: certified to withstand high wind loads(2400Pa) and snow loads(5400Pa)

Reliable Quality

Raw Material Control

- ✓ Only the materials certified by TUV officially will be approved.
- ✓ Strict material inspection before storehouse acceptance&production.

100% EL Double Test

- ✓ Front EL test before lamination to find revisable defect.
- ✓ Rear EL test before packing to avoid hidden quality threat.

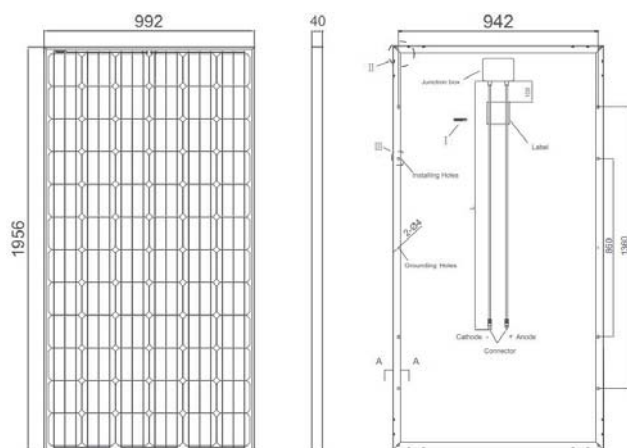
Superior Warranty

- ✓ 10-year limited product warranty for replacement or compensation.
- ✓ 25-year power output warranty for replacement or compensation.

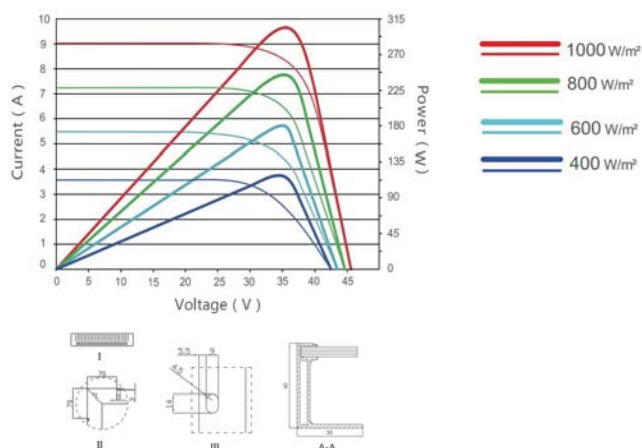
Comprehensive Certification

- ✓ TUV-NORD (IEC61215&61730)
- ✓ CE-NORD (2006/95/EC)
- ✓ ISO9001/14001:Quality/Environmental management systems

Engineering Front&Back Side Drawings



C-V&P-V Curves (305W)



Mechanical Characteristics

Cell Type	Mono 156×156 mm (6')
Number of Cells	72 (6×12)
Dimension	1956×992×40mm
Weight	26.5 kg
Front Glass	Low iron Tempered Glass, 3.2mm
Junction Box	IP67, 4 diodes
Connector	MC4 Compatible

Temperature Characteristics

NOCT	45±2℃
Temperature coefficient of Pmax	-0.44%/℃
Temperature coefficient of Voc	-0.34%/℃
Temperature coefficient of Isc	0.06%/℃

NOCT(Nominal Operating Cell Temperature):

Irradiance 800W/m², Ambient temperature 20℃,
AM 1.5, Wind speed 1m/s

Electrical Characteristics Under STC

Module Type	ESUN300M-72	ESUN305M-72	ESUN310M-72	ESUN315M-72	ESUN320M-72
Maximum Power-Pmax (Wp)	300	305	310	315	320
Voltage at Maximum Power-Vmp (V)	37.0	37.2	37.4	37.6	37.8
Current at Maximum Power -Imp (A)	8.11	8.20	8.29	8.38	8.47
Open Circuit Voltage-Voc (V)	45.5	45.7	45.9	46.1	46.4
Short Circuit Current-Isc (A)	8.64	8.72	8.80	8.87	8.98
Module Efficiency-η _m (%)	15.5	15.7	16.0	16.2	16.5
Power Tolerance (W)	0/+5	0/+5	0/+5	0/+5	0/+5
Maximum System Voltage	1000VDC (IEC)				
Operating Temperature	-40℃ ~ +85℃				
Maximum Series Fuse	15A				

STC (Standard Testing Conditions) : Irradiance 1000/m², Cell temperature 25℃, AM 1.5

Packing Configuration

Pallet: 25 PCS

20'GP/40'GP: 250PCS / 550 PCS

Pallet Size: 1990×1130×1130 MM

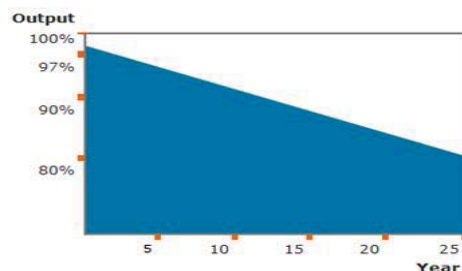
Pallet Gross Weight: 613 KGS

Superior Warranty

☀ 10-year product warranty

☀ 10-year warranty for 90% power output

☀ 25-year warranty for 80% power output



Electrical data in this sheet don't refer to a single module and they are not part of the offer. They only serve for comparison among different module types.