

innovation . quality . value





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ABOUT US



SEGPV Company Profile: Synopsis

SEGPV is a major manufacturer of solar modules. The main manufacturing facility and headquarters, are located in the City Zhangjiagang, Jiangsu Province, China. It has been developing, manufacturing and marketing both Mono Si Solar module and Poly Si Solar module since 2004, producing modules ranging from 5W to 300W. SEGPV's current production capacity is 400MWp, with plans to expand its production to 1GWp by 2012.

SEGPV believes and aims to provide Quality, Total Value-Added Customer Service, and Competitive Market Pricing. This is the backbone of its motto: Innovation. Quality. Value.

SEGPV's CEO, Julia Ju, founded the original company in 2004, under the name of SunLink PV Co., Ltd. Her leadership and reputation in the industry quickly grew alongside the company's success, and concluded 2010 with the company's PV module sales of over 100MWp. In the start of this year, Julia Ju set out a new vision for the company: to be "World Class PV Supplier" Marking the first step towards fulfilling this vision, a new name and logo was created to take its place in the global market. In June 2011 the new company name SEG PV Co., Ltd. will be transitioned in to the growing business, which already began seeking recognition as the company's new Global Brand

Name: 

SEGPV is ready to take its place in the global solar PV market this year, Julia will establish sales office in major cities in Europe, United States, Canada, Japan, Australia and India; providing better access for support, and regional communication to its valued partners and clients worldwide. Julia is focused on building strong, reliable, long term partnerships with existing and prospective OEM clients, Distributors, and System Integrators. Established to support your business growth, is a team of Sales Professionals, Engineers and Technical Design Associates available to provide In-Time-Service.

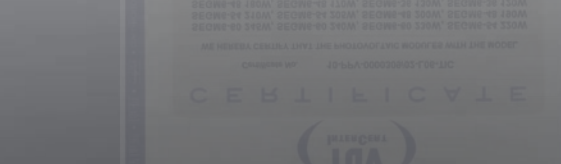
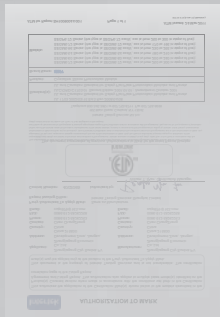
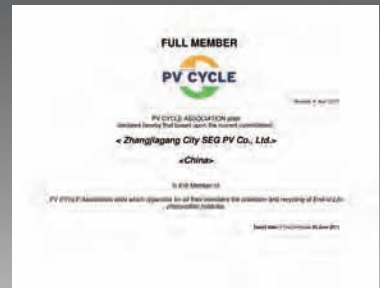
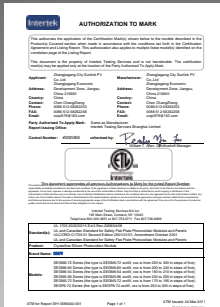
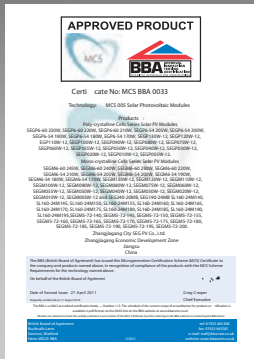
SEGPV adheres to the ISO9001 Quality Management System, and implement Zero Error Policy for In-Coming, In Process, and Out Going Manufacturing Practice. Its products carry certifications from TUV, VDE, MCS, CE, ETL, UL, UL Canada and CEC. SEGPV also warrants and insures their products for 25 years. SEGPV supports initiatives towards Clean Renewable Solar Energy, and embraces the movement towards "Green" communities around the world.

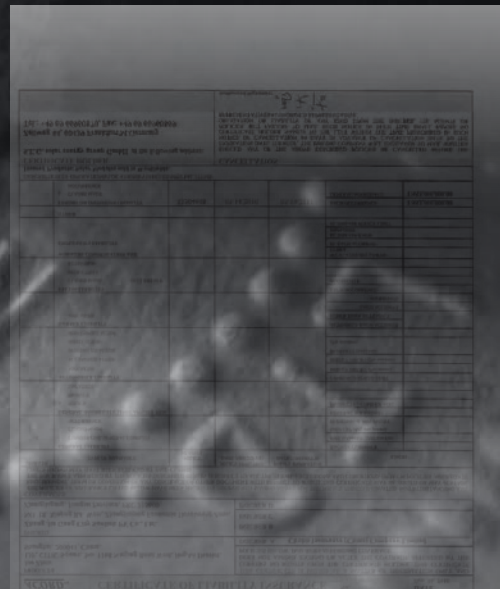
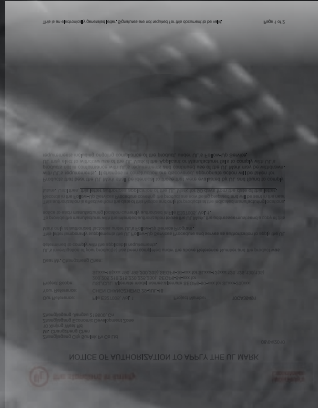
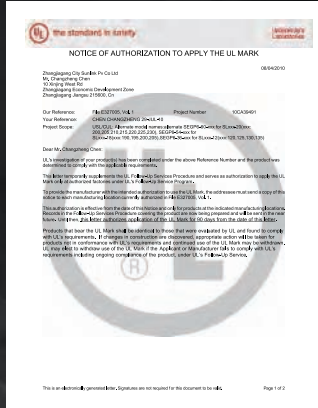
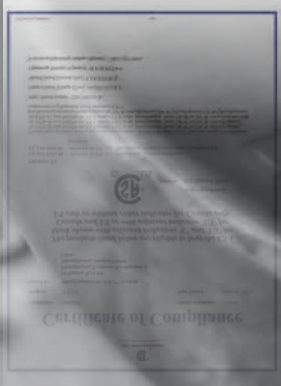
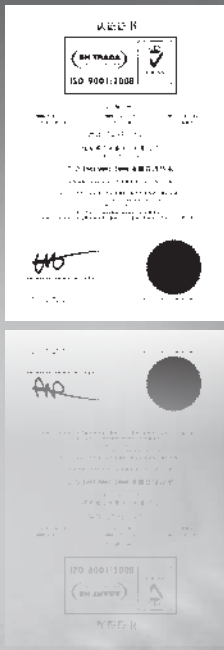
CEO:



Julia

CERTIFICATE + INSURANCE





Quality Assurance:

- ✓ 25 years output power warranty
- ✓ SEG PV company has been cooperating with Chubb, a first class insurance company which is US headquartered and worldwide operating, to provide extra products liability and quality Insurance.
- ✓ SEG PV company applied for Chubb's Certificate of Liability Insurance for all our supplied products.



BE THE TOP MANUFACTURE
OF SOLAR MODULE

LEADING TECHNOLOGY

- ✓ Quality: guaranteed reliability by ISO9002 quality system as well as IEC61215 and IEC 61730 certificate
- ✓ Module type: 5W-300W, Poly and Mono module
- ✓ Products warranty : 10 years free from defects in material and workmanship
- ✓ Performance warranty : 12 years above 90% of the nominal output power
25 years above 80% of the nominal output power



- Application: Roof systems and ground grid utility scale solar farms
- Certification: TUV, VDE, MCS, UL, ETL, CE
- Power tolerance: 0 ~ +3%
- Cell Size: 125×125mm and 156×156mm, multiple configurations
- Internal supply chain control, both mono and poly crystalline products

GLOBAL INTEGRATION SYSTEM



Canada

100KW in Toronto



America

120KW Hiram College in Hiram Ohio



Belgium

80KW at Ingelmunster, Belgium 2009



Spanish

2MW in Arago Spain, 2008

SEG PV has been carrying out the globalized marketing and sales strategy. After years of hard efforts, we are becoming more and more internationalized. Our products and solutions are deployed in over 20 countries and regions. We established our offices and distribution networks in Germany, Spain, Portugal, Australia, North America, South America and South East Asia, with which we can get closer to our customers, listen to them and react quickly for their needs.

Germany



Italy



Australia



South Africa

SEGM5-72 (180w-200w)

TEMPERATURE COEFFICIENTS

NOCT	45+/-2°C
Voltage temperature coefficient(Voc)	-0.35%/°C
Current temperature coefficient(Isc)	+0.033%/°C
Power temperature coefficient(Pmpp)	-0.44%/°C
Minimum power tolerance	0~+3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

MECHANICAL DATA

Solar Cell	72 Mono-crystalline 125*125mm
Front Glass	3.2mm tempered
Junction Box	IP65 or IP67 rated(Aluminium)
Output Cables	900mm length cable/compliable with MC IV connectors
Frame	Anodized aluminmu
Weight	15Kg
Dimension	1580*808*35mm

WARRANTY AND CERTIFICATIONS

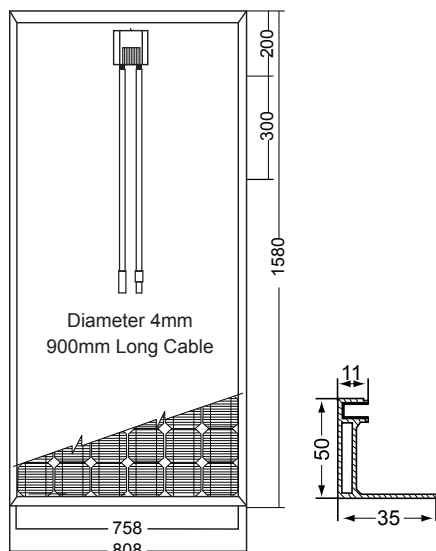
Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	IEC61215, Safety tested IEC61730, CE



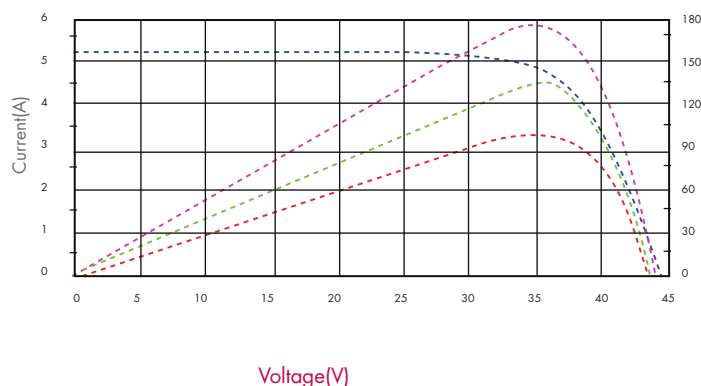
ELECTRICAL DATA

Nominal peak power(Wp)	180W	185W	190W	195W	200W
Nominal voltage(Vmp)	36.0V	36.2V	36.2V	36.4V	36.6V
Nominal current(Imp)	5.00A	5.11A	5.25A	5.35A	5.46A
Open circuit voltage(Voc)	45.0V	45.2V	45.4V	45.6V	45.8V
Short circuit current(Isc)	5.20A	5.32A	5.44A	5.62A	5.67A
Module efficiency	14.1%	14.5%	14.9%	15.2%	15.6%
Operating Temperatre	-40 to +85°C				
Maximum System Voltage	1000V DC				

STC:1000W/m², 25°C, AM=1.5



Characteristics
Module IV Graph SEGM5-72



—○— STC IV data —○— 600W/m² IV data —○— 600W/m² IV data —○— STC IV data —○— 800W/m² PV data —○— 800W/m² PV data



TEMPERATURE COEFFICIENTS

NOCT	45 +/-2°C
Voltage temperature coefficient(Voc)	-0.35%/°C
Current temperature coefficient(Isc)	+0.033%/°C
Power temperature coefficient(Pmpp)	-0.44% /°C
Minimum power tolerance	0 ~ +3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

MECHANICAL DATA

Solar Cell	96 Mono-crystalline 125x125mm
Front Glass	3.2mm tempered
Junction Box	IP65 or IP67 rated(Aluminium)
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	23Kg
Dimension	1582x1068x50mm

WARRANTY AND CERTIFICATIONS

Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	

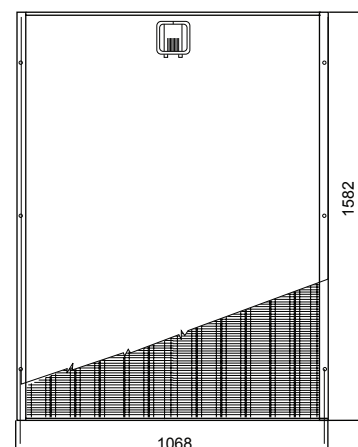
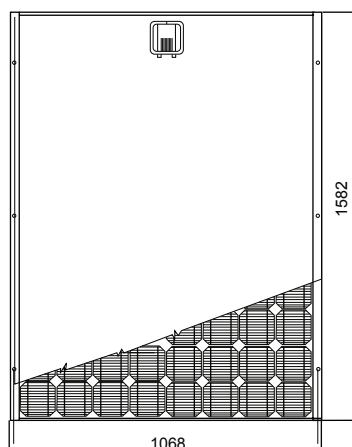
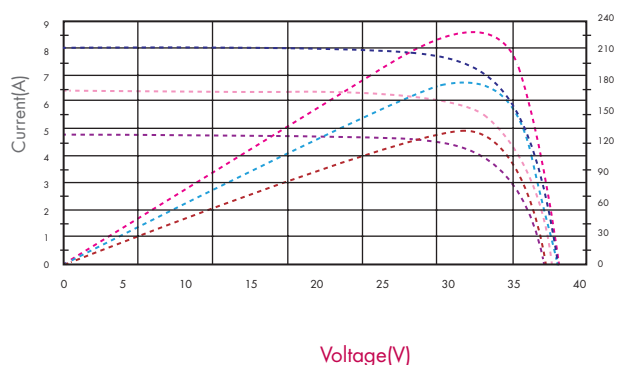
ELECTRICAL DATA

Nominal peak power(Wp)	240W	250W	260W
Nominal voltage(Vmp)	48.4V	48.6V	48.8V
Nominal current(Imp)	4.96A	5.14A	5.33A
Open circuit voltage(Voc)	60.4V	60.6V	60.8V
Short circuit current(Isc)	5.30A	5.43A	5.55A
Module efficiency	14.2%	14.8%	15.4%
Operating Temperatre	-40 to +85°C		
Maximum System Voltage	1000V DC		

STC:1000W/m²,25°C,AM=1.5



Characteristics
Module IV Graph SEGM5-96



Voltage(V)

—○— STC IV data —○— 800W/m² IV data —○— 600W/m² IV data —○— STC IV data —○— 800W/m² PV data —○— 600W/m² PV data



SEGM6-72 (275w-300w)

TEMPERATURE COEFFICIENTS

NOCT	45 +/-2°C
Voltage temperature coefficient(Voc)	-0.37%/°C
Current temperature coefficient(Isc)	+0.035%/°C
Power temperature coefficient(Pmpp)	-0.44%/°C
Minimum power tolerance	0 ~ +3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

MECHANICAL DATA

Solar Cell	72 Mono-crystalline 156 x 156mm
Front Glass	4.0mm tempered
Junction Box	IP65 rated
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	27Kg
Dimension	1968x993x40mm

WARRANTY AND CERTIFICATIONS

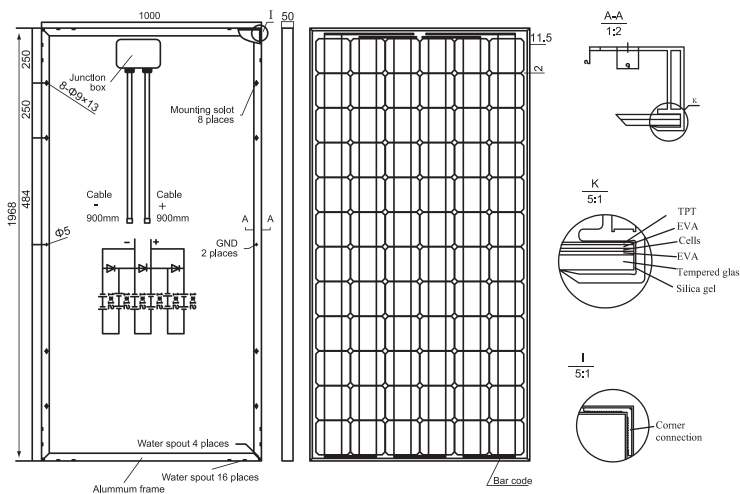
Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	IEC61215, Safety tested IEC61730, CE,ETL



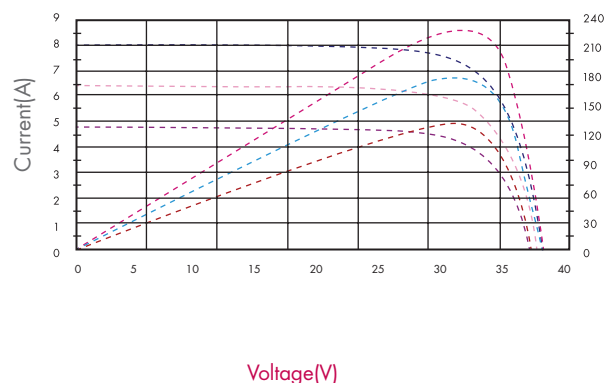
ELECTRICAL DATA

Nominal peak power(Wp)	275W	280W	285W	290W	295W	300W
Nominal voltage(Vmp)	35.9V	36.0V	36.1V	36.2V	36.3V	36.4V
Nominal current(Imp)	7.66A	7.78A	7.89A	8.01A	8.13A	8.24A
Open circuit voltage(Voc)	44.4V	44.5V	44.7V	44.8V	44.9V	45.0V
Short circuit current(Isc)	8.26A	8.39A	8.50A	8.60A	8.74A	8.87A
Module efficiency	14.0%	14.2%	14.5%	14.7%	15.0%	15.2%
Operating Temperatre	-40 to +85°C					
Maximum System Voltage	1000V DC					

STC:1000W/m², 25°C, AM=1.5



Characteristics
Module IV Graph SEGM6-72



—○— STC IV data —○— 800W/m² IV data —○— 600W/m² IV data —○— STC IV data —○— 800W/m² PV data —○— 600W/m² PV data

TEMPERATURE COEFFICIENTS

NOCT	45+/-2°C
Voltage temperature coefficient(Voc)	-0.35%/°C
Current temperature coefficient(Isc)	+0.033%/°C
Power temperature coefficient(Pmpp)	-0.40%/°C
Minimum power tolerance	0~+3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

MECHANICAL DATA

Solar Cell	72 Poly-crystalline 156*156mm
Front Glass	4.0mm tempered
Junction Box	IP65
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminmu
Weight	27Kg
Dimension	1968*993*40

WARRANTY AND CERTIFICATIONS

Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	TUV pending, CE, ETL

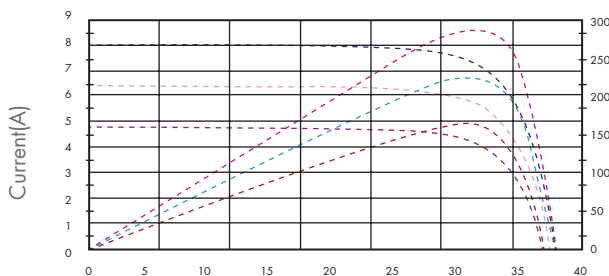
ELECTRICAL DATA

Nominal peak power(Wp)	275W	280W	285W	290W	295W	300W
Nominal voltage(Vmp)	35.9V	36.0V	36.1V	36.2V	36.3V	36.4V
Nominal current(Imp)	7.66A	7.78A	7.89A	8.01A	8.13A	8.24A
Open circuit voltage(Voc)	44.4V	44.5V	44.7V	44.8V	44.9V	45.0V
Short circuit current(Isc)	8.26A	8.39A	8.50A	8.60A	8.74A	8.87A
Module efficiency	14.0%	14.2%	14.5%	14.7%	15.0%	15.2%
Operating Temperatre	-40 to +85°C					
Maximum System Voltage	1000V DC					

STC:1000W/m²,25°C,AM=1.5

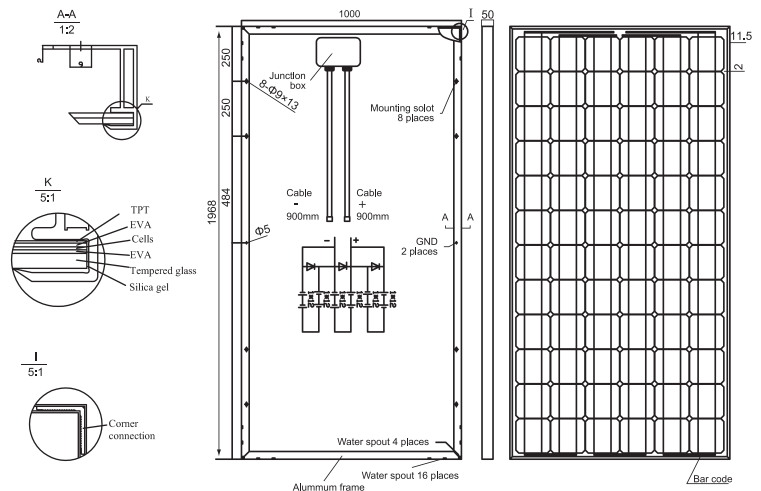


Characteristics
Module IV Graph SEGP6-72



Voltage(V)

—○— STC IV data —○— 800W/m² IV data —○— 600W/m² IV data —○— STC IV data —○— 800W/m² PV data —○— 600W/m² PV data



SEGM6-60 (230w-250w)

TEMPERATURE COEFFICIENTS

NOCT	45 +/-2°C
Voltage temperature coefficient(Voc)	-0.37%/°C
Current temperature coefficient(Isc)	+0.035%/°C
Power temperature coefficient(Pmpp)	-0.44% /°C
Minimum power tolerance	0 ~ +3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

MECHANICAL DATA

Solar Cell	60 Mono-crystalline 156 x 156mm
Front Glass	3.2mm tempered
Junction Box	IP65 or IP67 rated (Aluminium)
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	20Kg
Dimension	1652x993x40mm

WARRANTY AND CERTIFICATIONS

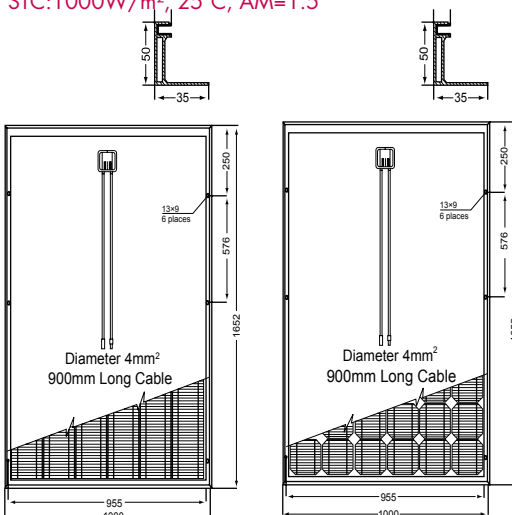
Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	IEC61215, Safety tested IEC61730, CE, ETL



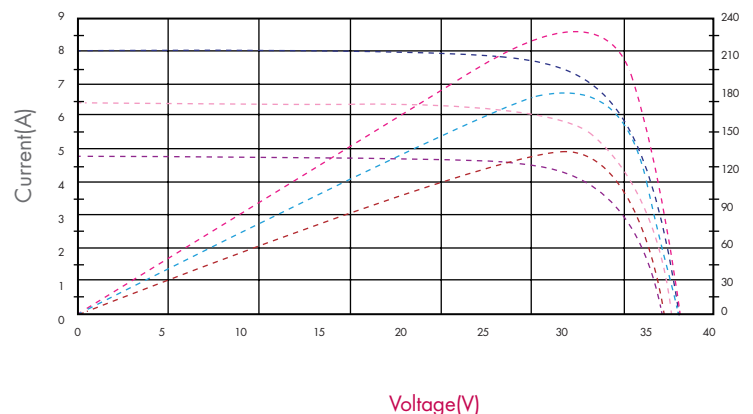
ELECTRICAL DATA

Nominal peak power(Wp)	230W	240W	245W	250W
Nominal voltage(Vmp)	29.5V	29.8V	29.9V	30.0V
Nominal current(Imp)	7.80A	8.05A	8.19A	8.34A
Open circuit voltage(Voc)	37.2V	37.3V	37.3V	37.5V
Short circuit current(Isc)	8.47A	8.70A	8.75A	8.89A
Module efficiency	13.9%	14.5%	14.8%	15.1%
Operating Temperatre	-40 to +85°C			
Maximum System Voltage	1000V DC			

STC:1000W/m², 25°C, AM=1.5



Characteristics
Module IV Graph 230W



—●— STC IV data —●— 800W/m² IV data —●— 600W/m² IV data —●— STC PV data —●— 800W/m² PV data —●— 600W/m² PV data

TEMPERATURE COEFFICIENTS

NOCT	45 +/-2°C
Voltage temperature coefficient(Voc)	-0.35%/°C
Current temperature coefficient(Isc)	+0.033%/°C
Power temperature coefficient(Pmpp)	-0.40%/°C
Minimum power tolerance	0 ~ +3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C



MECHANICAL DATA

Solar Cell	60 Poly-crystalline 156 x 156mm
Front Glass	3.2mm tempered
Junction Box	IP65 or IP67 rated (Aluminium)
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	20Kg
Dimension	1652x993x40mm

WARRANTY AND CERTIFICATIONS

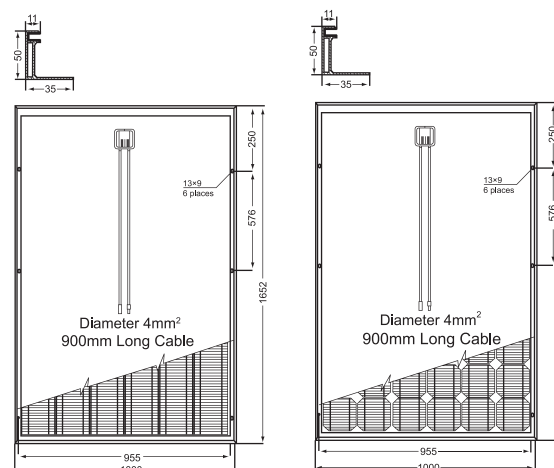
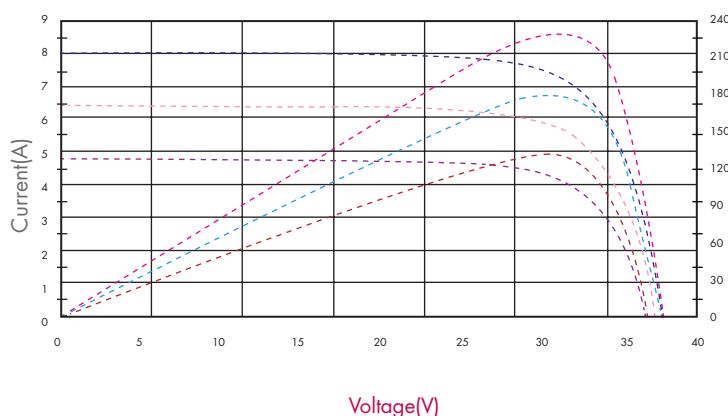
Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	IEC61215, Safety tested IEC61730, CE

ELECTRICAL DATA

Nominal peak power(Wp)	220W	230W	235W	240W
Nominal voltage(Vmp)	29.5V	29.9V	30.0V	30.1V
Nominal current(Imp)	7.46A	7.69A	7.83A	7.97A
Open circuit voltage(Voc)	36.8V	37.2V	37.2V	37.4V
Short circuit current(Isc)	8.30A	8.36A	8.42A	8.56A
Module efficiency	13.3%	13.9%	14.2%	14.5%
Operating Temperatre	-40 to +85°C			
Maximum System Voltage	1000V DC			

STC:1000W/m²,25°C,AM=1.5

Characteristics
Module IV Graph 220W



SEGM6-48TP (180w-200w)

TEMPERATURE COEFFICIENTS

NOCT	45 +/-2°C
Voltage temperature coefficient(Voc)	-0.37%/°C
Current temperature coefficient(Isc)	+0.035%/°C
Power temperature coefficient(Pmpp)	-0.44% /°C
Minimum power tolerance	0 ~ +3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

MECHANICAL DATA

Solar Cell	48 Mono-crystalline 156x156mm Transparent
Front Glass	3.2mm tempered
Junction Box	IP65 or IP67 rated (Aluminium)
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	16Kg
Dimension	1338x993x40mm

WARRANTY AND CERTIFICATIONS

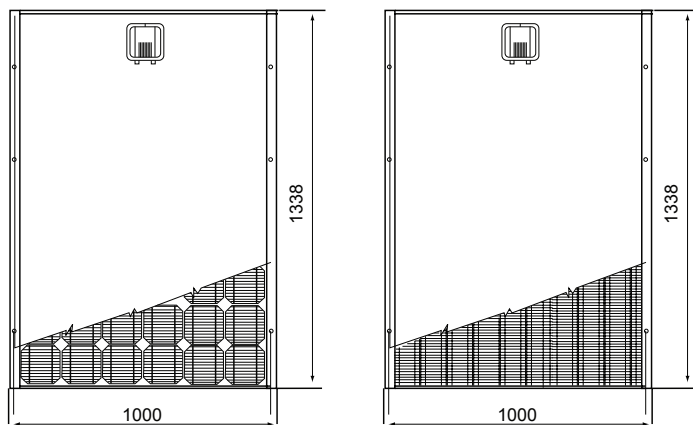
Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	IEC61215, Safety tested IEC61730, CE, ETL



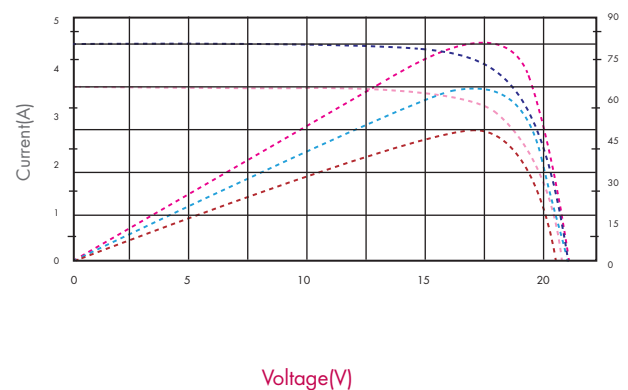
ELECTRICAL DATA

	180W	185W	190W	200W
Nominal peak power(Wp)	180W	185W	190W	200W
Nominal voltage(Vmp)	23.8V	24.2V	24.6V	25.0V
Nominal current(Imp)	7.56A	7.64A	7.72A	8.0A
Open circuit voltage(Voc)	29.6V	30.0V	30.4V	30.6V
Short circuit current(Isc)	8.44A	8.56A	8.68A	8.71A
Module efficiency	13.5%	13.8%	14.2%	14.9%
Operating Temperatre	-40 to +85°C			
Maximum System Voltage	1000V DC			

STC:1000W/m², 25°C, AM=1.5



Characteristics
Module IV Graph SEGP6-48TP



—○— STC IV data —○— 800W/m² IV data —○— 600W/m² IV data —○— STC IV data —○— 800W/m² PV data —○— 800W/m² PV data

TEMPERATURE COEFFICIENTS

NOCT	45 +/-2
Voltage temperature coefficient(Voc)	-0.35%/°C
Current temperature coefficient(Isc)	+0.033%/°C
Power temperature coefficient(Pmpp)	-0.40%/°C
Minimum power tolerance	0 ~ +3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

MECHANICAL DATA

Solar Cell	54 Poly-crystalline 156x156mm
Front Glass	3.2mm tempered
Junction Box	IP65
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	18kg
Dimension	1496x993x40mm

WARRANTY AND CERTIFICATIONS

Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	IEC61215, Safety tested IEC61730, CE, ETL

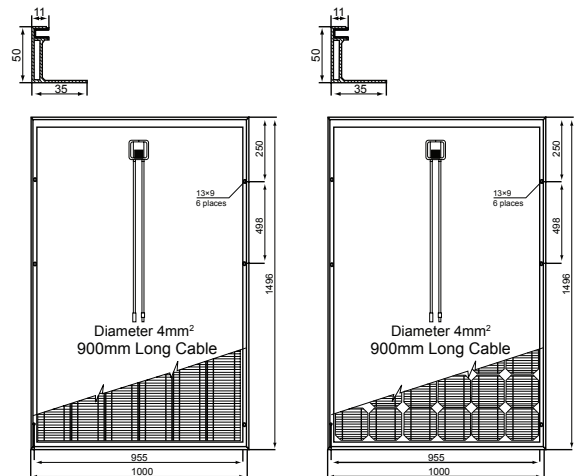
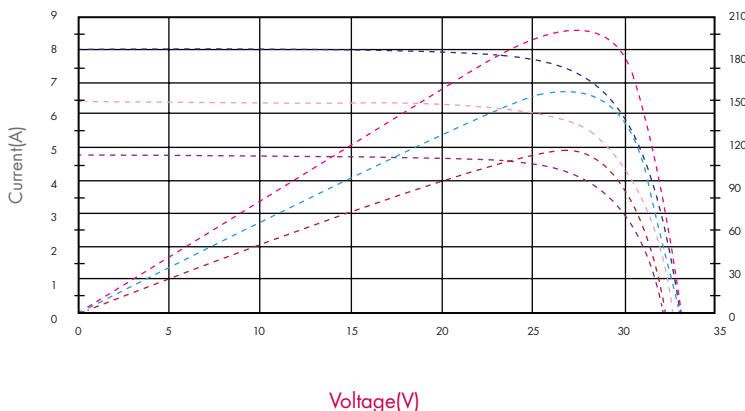
ELECTRICAL DATA

Nominal peak power(Wp)	200W	210W	215W
Nominal voltage(Vmp)	26.6V	27.0V	27.2V
Nominal current(Imp)	7.52A	7.78A	7.90A
Open circuit voltage(Voc)	33.2V	33.6V	33.8V
Short circuit current(Isc)	8.37A	8.68A	8.83A
Module efficiency	13.4%	14.0%	14.4%
Operating Temperature	-40 to +85°C		
Maximum System Voltage	1000V DC		

STC:1000W/m²,25°C,AM=1.5



Characteristics
Module IV Graph SEGP6-54



—○— STC IV data —○— 800W/m² IV data —○— 600W/m² IV data —○— STC IV data —○— 800W/m² PV data —○— 600W/m² PV data



SEGM6-36

(120w-140w)

TEMPERATURE COEFFICIENTS

NOCT	45 +/-2°C
Voltage temperature coefficient(Voc)	-0.37%/°C
Current temperature coefficient(Isc)	+0.035%/°C
Power temperature coefficient(Pmpp)	-0.44% /°C
Minimum power tolerance	0 ~ +3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

MECHANICAL DATA

Solar Cell	36 Mono-crystalline 156 x156mm
Front Glass	3.2mm tempered
Junction Box	IP65 or IP67 rated (Aluminium)
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminium
Weight	13Kg
Dimension	1483x665x35mm

WARRANTY AND CERTIFICATIONS

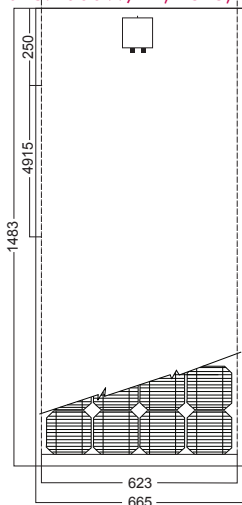
Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	IEC61215, Safety tested IEC61730, CE



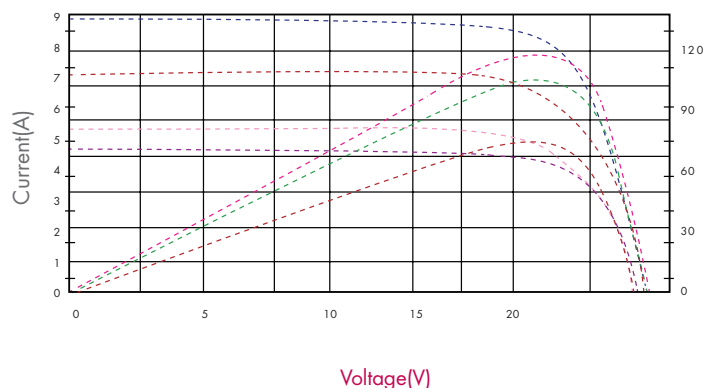
ELECTRICAL DATA

Nominal peak power(Wp)	120W	130W	140W
Nominal voltage(Vmp)	17.2V	17.2V	17.2V
Nominal current(Imp)	6.98A	7.56A	8.14A
Open circuit voltage(Voc)	21.60V	21.60V	21.60V
Short circuit current(Isc)	7.50A	8.02A	8.64A
Module efficiency	12.2%	13.2%	14.2%
Operating Temperatre	-40 to +85°C		
Maximum System Voltage	1000V DC		

STC:1000W/m², 25°C, AM=1.5



Characteristics
Module IV Graph SEGM6-36



—○— STC IV data —○— 600W/m² IV data —○— 600W/m² IV data —○— STC IV data —○— 800W/m² PV data —○— 800W/m² PV data

TEMPERATURE COEFFICIENTS

NOCT	45+/-2°C
Voltage temperature coefficient(Voc)	-0.35%/°C
Current temperature coefficient(Isc)	+0.033%/°C
Power temperature coefficient(Pmpp)	-0.40%/°C
Minimum power tolerance	0~+3%

NOCT:Nominal Operating cell Temperature:-40°C to + 85°C

MECHANICAL DATA

Solar Cell	36 Poly-crystalline 156*156mm
Front Glass	3.2mm tempered
Junction Box	IP65 or IP67 rated (Aluminium)
Output Cables	1000mm length cable/compliable with MC IV connectors
Frame	Anodized aluminmu
Weight	13Kg
Dimension	1483*665*35mm

WARRANTY AND CERTIFICATIONS

Warranty	10 years workmanship, 12 years 90%, 25 years 80% power warranty
Certification	IEC61215, Safety tested IEC61730, CE

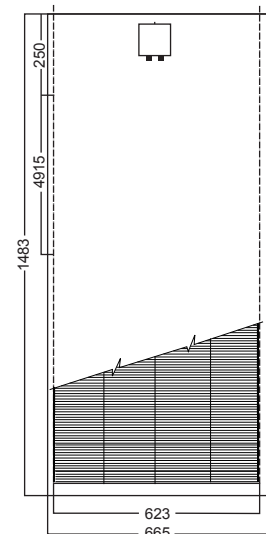
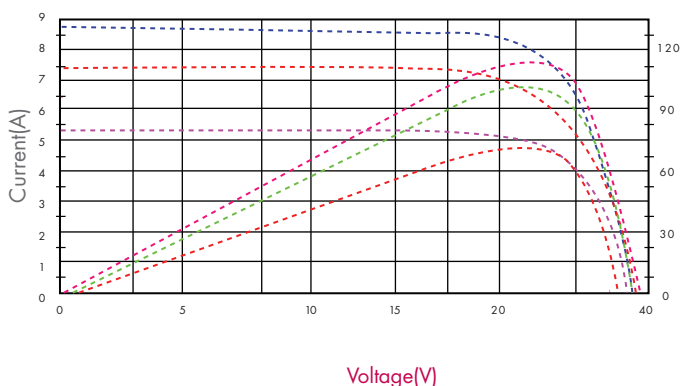
ELECTRICAL DATA

Nominal peak power(Wp)	100W	110W	120W	130W	135W	140W
Nominal voltage(Vmp)	17.2V	17.2V	17.2V	17.6V	17.8V	18.0V
Nominal current(Imp)	5.81A	6.40A	6.98A	7.39A	7.58A	7.78A
Open circuit voltage(Voc)	21.60V	21.60V	21.6V	22.0V	22.2V	22.4V
Short circuit current(Isc)	6.61A	6.98A	7.72A	8.21A	8.45A	8.68A
Module efficiency	10.2%	11.2%	12.2%	13.2%	13.7%	14.2%
Operating Temperatre	-40 to +85°C					
Maximum System Voltage	1000V DC					

STC:1000W/m²,25°C,AM=1.5



Characteristics
Module IV Graph SEGP6-36



—○— STC IV data —○— 600W/m² IV data —○— 600W/m² IV data —○— STC IV data —○— 800W/m² PV data —○— 800W/m² PV data



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