

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	78mmx15.6mm
No. of cells and connections	36(4x9)	
Dimension of module	350x224x25(mm)	13.8x8.8x0.98(in)
Weight	1.3kg	2.861b

Characteristics

Model	SPM005P
Power at STC(P _m)	5W
Maximum power voltage(V _{pm})	17.1V
Maximum power current(I _{pm})	0.29A
Open circuit voltage(V _{oc})	21.7V
Short circuit current(I _{sc})	0.31A
Tolerance	± 5%

STC: Temperature 25℃, Irradiance 1000W/m², AM=1.5

Limits

Operating temperature	-40 to +85℃
Maximum system voltage	600V DC
Series fuse rating	10A

Components & Mechanical Data

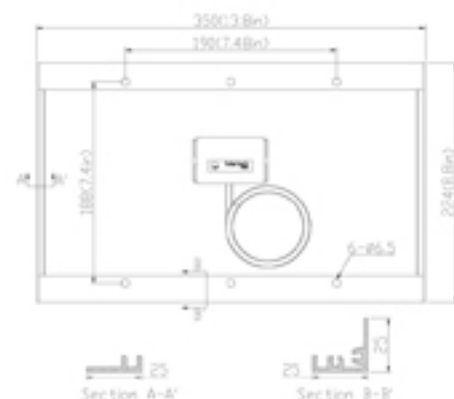
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White PET(0.2±0.03mm thickness)
Temperature Range	-40℃ to +90℃
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48℃±2℃
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



Back of the module



IEC: C1-ASN07001

TUV: 0000022551

UL: E330673

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	78mmx26mm
No. of cells and connections	36(4x9)	
Dimension of module	350x300x25(mm)	13.8x11.8x0.98(in)
Weight	1.4kg	3.11b

Characteristics

Model	SPM010P
Power at STC(P _m)	10W
Maximum power voltage(V _{pm})	17.3V
Maximum power current(I _{pm})	0.59A
Open circuit voltage(V _{oc})	21.8V
Short circuit current(I _{sc})	0.64A
Tolerance	±5%

STC: Temperature 25℃, Irradiance 1000W/m², AM=1.5

Limits

Operating temperature	-40 to +85℃
Maximum system voltage	600V DC
Series fuse rating	10A

Components & Mechanical Data

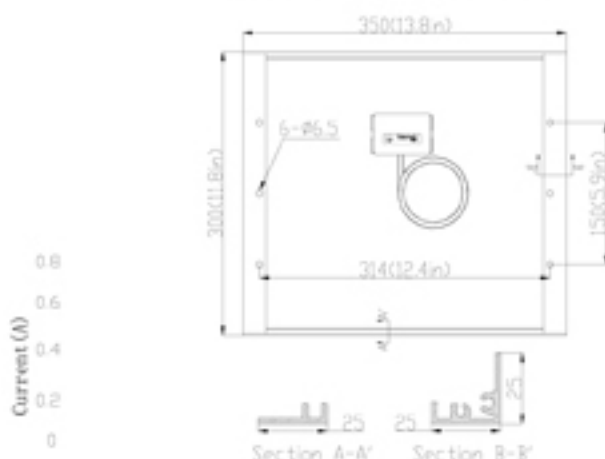
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White PET(0.2±0.03mm thickness)
Temperature Range	-40℃ to +90℃
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48℃±2℃
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



Back of the module



IEC: C1-ASN07001

TUV: 0000022551

UL: E330673

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx26mm
No. of cells and connections	36(2x18)	
Dimension of module	550x350x25(mm)	21.7x13.8x0.98(in)
Weight	2.8kg	6.171b

Characteristics

Model	SPM020P
Power at STC(Pm)	20W
Maximum power voltage(Vpm)	17.2V
Maximum power current(Ipm)	1.17A
Open circuit voltage(Voc)	21.7V
Short circuit current(Isc)	1.25A
Tolerance	± 5%

STC: Temperature 25°C, Irradiance 1000W/m², AM=1.5

Limits

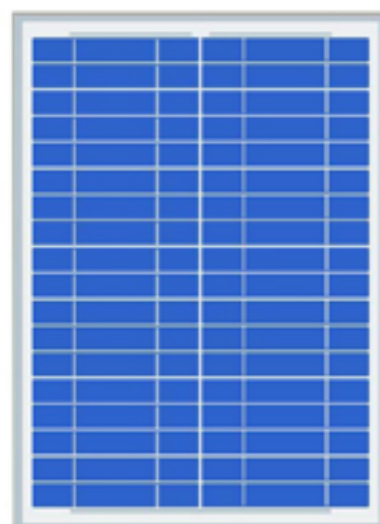
Operating temperature	-40 to +85°C
Maximum system voltage	600V DC
Series fuse rating	10A

Components & Mechanical Data

Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White PET(0.2±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48°C±2°C
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



Back of the module



IEC: C1-ASN07001

TUV: 0000022551

UL: E330673

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx39mm
No. of cells and connections	36(4x9)	
Dimension of module	666x412x25(mm)	26.2x16.2x0.98(in)
Weight	3.5kg	7.71b

Characteristics

Model	SPM030P
Power at STC(Pm)	30W
Maximum power voltage(Vpm)	17.3V
Maximum power current(Ipm)	1.77A
Open circuit voltage(Voc)	21.9V
Short circuit current(Isc)	1.93A
Tolerance	± 5%

STC: Temperature 25℃, Irradiance 1000W/m², AM=1.5

Limits

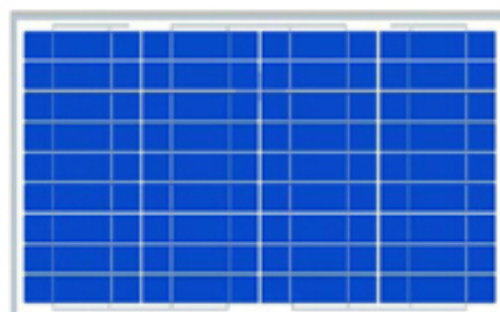
Operating temperature	-40 to +85℃
Maximum system voltage	600V DC
Series fuse rating	10A

Components & Mechanical Data

Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40℃ to +90℃
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48℃±2℃
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



Back of the module



Section A-A'

Section B-B'



IEC: C1-ASN07001

TUV: 0000022551

UL: E330673

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx52mm
No. of cells and connections	36(4x9)	
Dimension of module	665x537x35(mm)	26.2x21.1x1.38 (in)
Weight	5kg	11.01b

Characteristics

Model	SPM040P
Power at STC(P _m)	40W
Maximum power voltage(V _{pm})	17.3V
Maximum power current(I _{pm})	2.35A
Open circuit voltage(V _{oc})	21.8V
Short circuit current(I _{sc})	2.57A
Tolerance	± 5%

STC: Temperature 25℃, Irradiance 1000W/m², AM=1.5

Limits

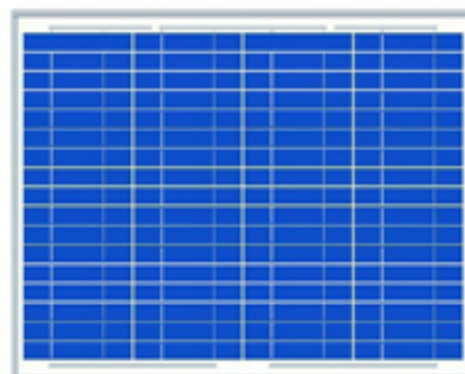
Operating temperature	-40 to +85℃
Maximum system voltage	1000V DC
Series fuse rating	12A

Components & Mechanical Data

Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40℃ to +90℃
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48℃±2℃
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



Back of the module



A-A' section

B-B' section



IEC: C1-ASN07001

TUV: 0000022551

UL: E330673

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx65mm
No. of cells and connections	36(4x9)	
Dimension of module	652x639x35(mm)	25.7x25.2x1.38 (in)
Weight	6kg	13.21b

Characteristics

Model	SPM055P
Power at STC(P _m)	55W
Maximum power voltage(V _{pm})	18.2V
Maximum power current(I _{pm})	3.1A
Open circuit voltage(V _{oc})	22.1V
Short circuit current(I _{sc})	3.31A
Tolerance	± 5%

STC: Temperature 25°C, Irradiance 1000W/m², AM=1.5

Limits

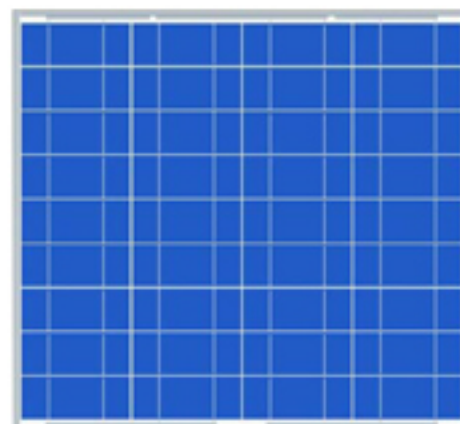
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

Components & Mechanical Data

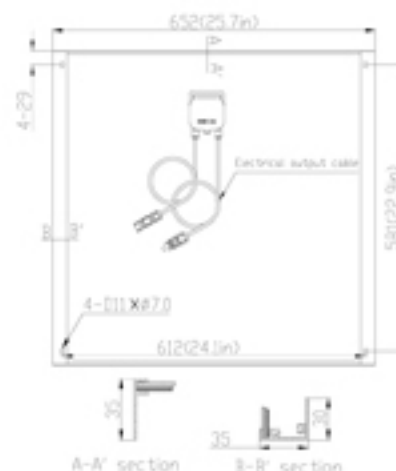
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48°C±2°C
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



Back of the module



IEC: C1-ASN07001

TUV: 0000022551

UL: E330673

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx78mm
No. of cells and connections	36(6x6)	
Dimension of module	987x540x35(mm)	38.9x21.3x1.38 (in)
Weight	6kg	13.21b

Characteristics

Model	SPM065P
Power at STC(Pm)	65W
Maximum power voltage(Vpm)	18.1V
Maximum power current(Ipm)	3.69A
Open circuit voltage(Voc)	22.0V
Short circuit current(Isc)	3.9A
Tolerance	± 5%

STC: Temperature 25°C, Irradiance 1000W/m², AM=1.5

Limits

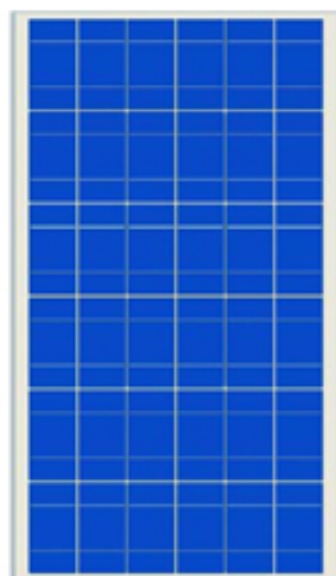
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

Components & Mechanical Data

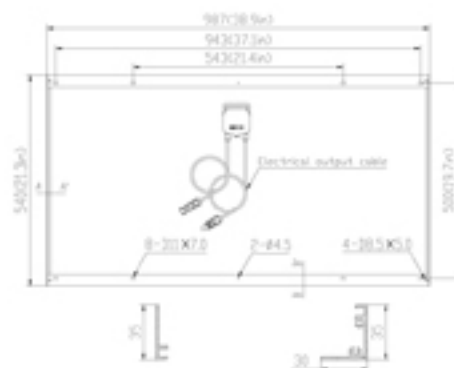
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48°C±2°C
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mw/k
Power temperature coefficient	- (0.5±0.05) %/k



Back of the module



IEC: C1-ASN07001

TUV: 0000022551

UL: E330673

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx104mm
No. of cells and connections	36(4x9)	
Dimension of module	1014x669x35(mm)	39.9x26.3x1.38(in)
Weight	9kg	19.81b

Characteristics

Model	SPM085P
Power at STC(P _m)	85W
Maximum power voltage(V _{pm})	17.9V
Maximum power current(I _{pm})	4.84A
Open circuit voltage(V _{oc})	21.9V
Short circuit current(I _{sc})	5.17A
Tolerance	± 5%

STC: Temperature 25°C, Irradiance 1000W/m², AM=1.5

Limits

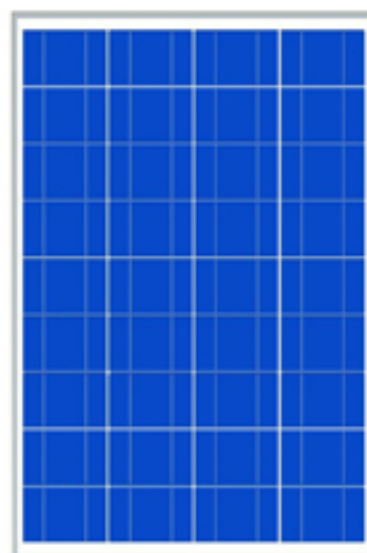
Operating temperature	-40 to +85 °C
Maximum system voltage	1000V DC
Series fuse rating	12A

Components & Mechanical Data

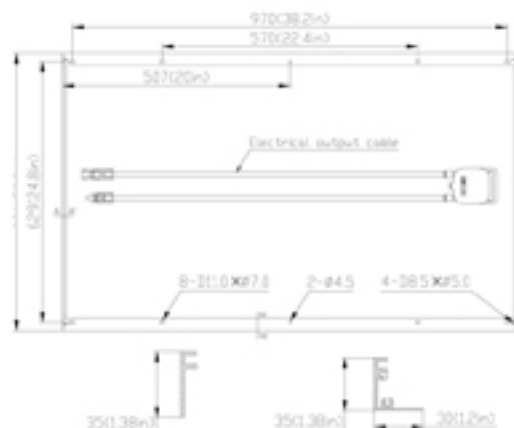
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48°C±2°C
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



Back of the module



IEC: C1-ASN07001

TUV: 0000022551

UL: E330673

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx52mm
No. of cells and connections	68(4x17)	
Dimension of module	1482x676x50(mm)	58.3x26.6x1.97 (in)
Weight	12kg	26.51b

Characteristics

Model	SPM125P
Power at STC(P _m)	125W
Maximum power voltage(V _{pm})	18V
Maximum power current(I _{pm})	7.11A
Open circuit voltage(V _{oc})	21.9V
Short circuit current(I _{sc})	7.68A
Tolerance	± 5%

STC: Temperature 25°C, Irradiance 1000W/m², AM=1.5

Limits

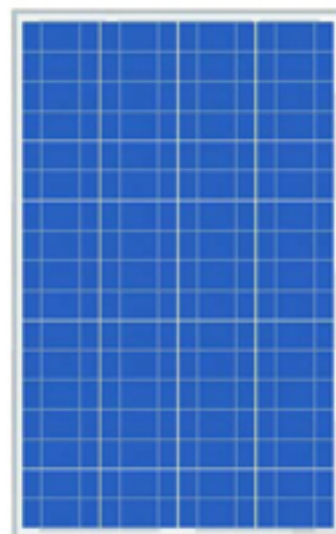
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

Components & Mechanical Data

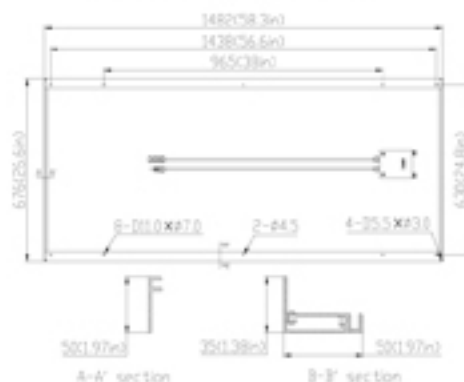
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48°C±2°C
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



Back of the module



IEC: C1-ASN07001

TUV: 0000022551

UL: E330673

SPECIFICATIONS

CELL	Multicrystalline silicon solar cell	156mmx156mm
No. of cells and connections	60(6x10)	
Dimension of module	1640x994x50(mm)	64.6x39.1x1.97(in)
Weight	19kg	41.801lb

Characteristics

Model	SPM210P
Power at STC(P _m)	210W
Maximum power voltage(V _{pm})	30.0V
Maximum power current(I _{pm})	7.11A
Open circuit voltage(V _{oc})	36.5V
Short circuit current(I _{sc})	7.68A
Tolerance	±5%

STC: Temperature 25°C, Irradiance 1000W/m², AM=1.5

Limits

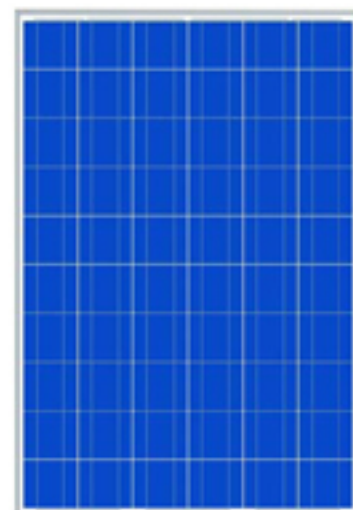
Operating temperature	-40 to +85°C
Maximum system voltage	1000V DC
Series fuse rating	12A

Components & Mechanical Data

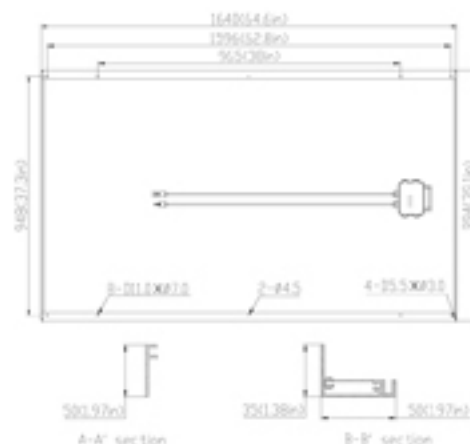
Front Glass	3.2mm tempered
Junction Box	IP-65 rated
Frame	Anodized aluminum alloy type 6063-T5
Encapsulation Material	EVA(0.5±0.05mm thickness)
Back Foil	White TPT(0.32±0.03mm thickness)
Temperature Range	-40°C to +90°C
Max Load	5400Pa

Temperature coefficient

Nominal Operation Cell Temperature	48°C±2°C
Current temperature coefficient	0.06±0.01 %/K
Voltage temperature coefficient	- (78±10) mv/k
Power temperature coefficient	- (0.5±0.05) %/k



Back of the module



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