

NO PANELS NO GAINS



SKT480-505M10

480~505 Watt

182mm 132Cells PV Solar Module



MBB PERC
Half Cut Cell



Excellent Low-light
Performance



100% Inspection
Guarantee Reliability



Anti PID

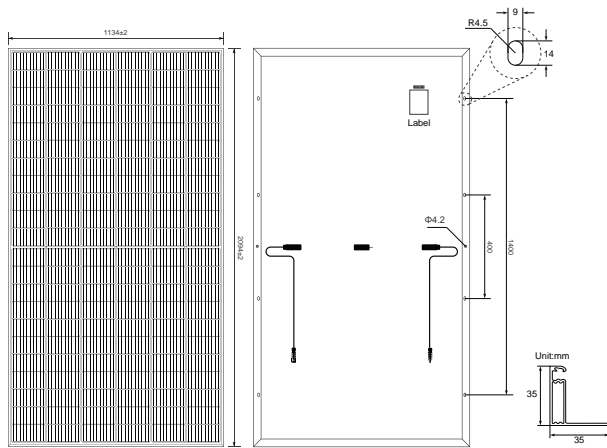


5400Pa
Strengthened
Mechanical Load

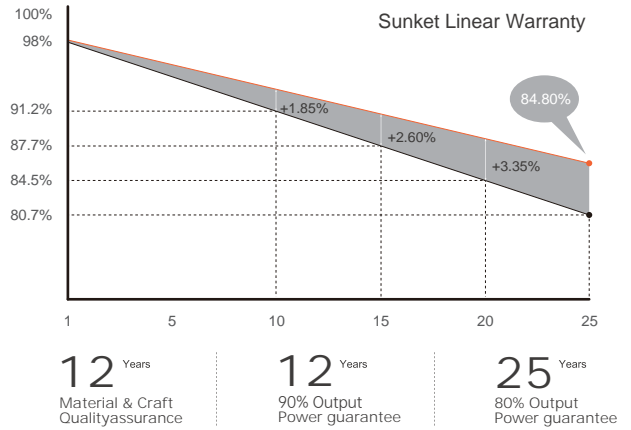


High Density
Packaging





All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact SUNKET.



12 Years
Material & Craft Quality assurance

12 Years
90% Output Power guarantee

25 Years
80% Output Power guarantee

Electrical Characteristics (STC/NOCT)

| Module Type | SKT480M10 | | SKT485M10 | | SKT490M10 | | SKT495M10 | | SKT500M10 | | SKT505M10 | |
|--------------------------------|--------------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power - Pmax(W) | 480 | 363 | 485 | 367 | 490 | 370 | 495 | 374 | 500 | 378 | 505 | 382 |
| Open Circuit Voltage - Voc(V) | 45.07 | 42.15 | 45.20 | 42.30 | 45.33 | 42.43 | 45.46 | 42.58 | 45.59 | 42.72 | 45.72 | 42.86 |
| Short-Circuit Current - Isc(A) | 13.65 | 10.99 | 13.72 | 11.06 | 13.79 | 11.13 | 13.86 | 11.20 | 13.93 | 11.27 | 14.00 | 11.34 |
| Voltage at Pmax - Vmp(V) | 37.62 | 35.54 | 37.81 | 35.67 | 37.99 | 35.76 | 38.17 | 35.84 | 38.35 | 35.93 | 38.53 | 36.02 |
| Current at Pmax - Imp(A) | 12.76 | 10.21 | 12.83 | 11.06 | 12.90 | 11.13 | 12.97 | 11.20 | 13.04 | 11.27 | 13.11 | 11.34 |
| Module Efficiency - η (%) | 20.3 | / | 20.4 | / | 20.6 | / | 20.8 | / | 21.1 | / | 21.3 | / |
| Power Tolerance(W) | (0, +4.99W) | | | | | | | | | | | |
| Maximum System Voltage(V) | 1500Vdc (IEC / UL) | | | | | | | | | | | |
| Maximum Series Fuse Rating (A) | 25A | | | | | | | | | | | |

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

NOCT : Irradiance 800W/m² Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

| | |
|---------------------|---|
| External Dimensions | 2094x1134x35mm |
| Weight | 26.3kg |
| Solar Cells | Mono crystalline 182mm (2x66pcs) |
| Front Glass | AR Coated 3.2 mm tempered glass |
| Frame | Anodized aluminum alloy |
| Junction Box | IP68 |
| Output Cables | 4.0mm ² ; 50cm (+), 50cm (-), length can be customized |
| Connector | MC4 Compatible |
| Mechanical Load | Front Side Max. 5400Pa, Rear Side Max. 2400Pa |

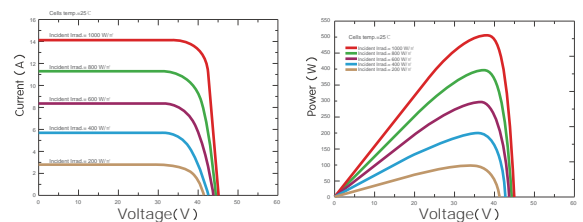
Temperature Characteristics

| | |
|--|------------|
| Pmax Temperature Coefficient | -0.350%/°C |
| Voc Temperature Coefficient | -0.275%/°C |
| Isc Temperature Coefficient | +0.045%/°C |
| Operating Temperature | -40~+85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C |

Packing Configuration

| | 2094x1134x35mm |
|-----------------------|----------------|
| Container | 20'GP 40'HQ |
| Pieces per Pallet | 31 31 |
| Pallets per Container | 5 21 |
| Pieces per Container | 155 682 |

Current-Voltage & Power-Voltage Curves (SKT505M10)







SKT390-415M10

390~415 Watt


182mm 108Cells PV Solar Module

 MBB PERC
Half Cut Cell

 Excellent Low-light
Performance

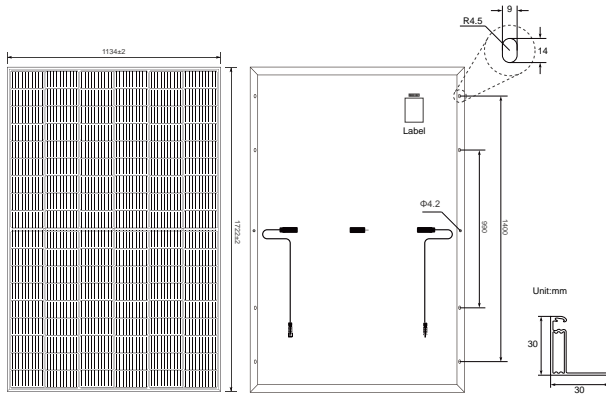
 100% Inspection
Guarantee Reliability

 Anti PID

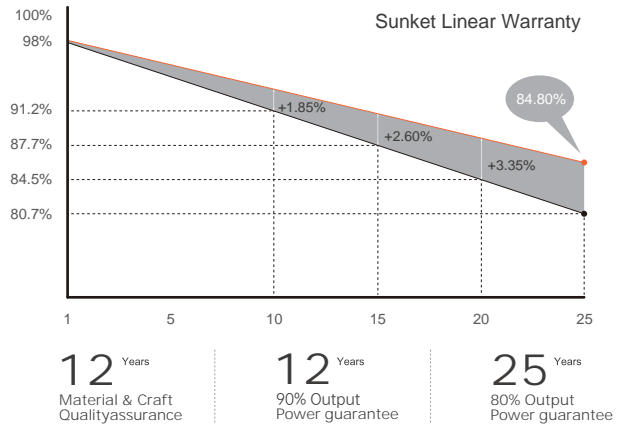
 5400Pa
Strengthened
Mechanical Load

 High Density
Packaging





All Dimensions in mm
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact SUNKET.



12 Years
Material & Craft
Quality assurance

12 Years
90% Output
Power guarantee

25 Years
80% Output
Power guarantee

Electrical Characteristics (STC/NOCT)

| Module Type | SKT390M10 | | SKT395M10 | | SKT400M10 | | SKT405M10 | | SKT410M10 | | SKT415M10 | |
|---------------------------------|--------------------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|-----------|-------|
| | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power - Pmax(W) | 390 | 294 | 395 | 298 | 400 | 302 | 405 | 306 | 410 | 310 | 415 | 314 |
| Open Circuit Voltage - Voc(V) | 36.85 | 34.62 | 36.98 | 34.75 | 37.07 | 34.88 | 37.23 | 35.12 | 37.32 | 35.23 | 37.45 | 35.37 |
| Short-Circuit Current - Isc(A) | 13.61 | 10.89 | 13.70 | 10.96 | 13.79 | 11.03 | 13.87 | 11.10 | 13.95 | 11.16 | 14.02 | 11.22 |
| Voltage at Pmax - Vmp(V) | 30.64 | 28.87 | 30.84 | 29.08 | 31.01 | 29.26 | 31.21 | 29.47 | 31.45 | 29.72 | 31.61 | 29.89 |
| Current at Pmax - Imp(A) | 12.73 | 10.18 | 12.81 | 10.25 | 12.90 | 10.32 | 12.98 | 10.38 | 13.04 | 10.43 | 13.13 | 10.50 |
| Module Efficiency - η m(%) | 20.0 | / | 20.2 | / | 20.5 | / | 20.8 | / | 21.0 | / | 21.3 | / |
| Power Tolerance(W) | (0, +4.99W) | | | | | | | | | | | |
| Maximum System Voltage(V) | 1500Vdc (IEC / UL) | | | | | | | | | | | |
| Maximum Series Fuse Rating (A) | 25A | | | | | | | | | | | |

STC : Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5 NOCT : Irradiance 800W/m², Ambient Temperature 20°C, Air Mass 1.5, Wind Speed 1m/s

Mechanical Specifications

| | |
|---------------------|---|
| External Dimensions | 1722x1134x30mm |
| Weight | 20.5kg |
| Solar Cells | Mono crystalline 182mm (2x54pcs) |
| Front Glass | AR Coated 3.2 mm tempered glass |
| Frame | Anodized aluminum alloy |
| Junction Box | IP68 |
| Output Cables | 4.0mm ² , 50cm (+), 50cm (-), length can be customized |
| Connector | MC4 Compatible |
| Mechanical Load | Front Side Max. 5400Pa, Rear Side Max. 2400Pa |

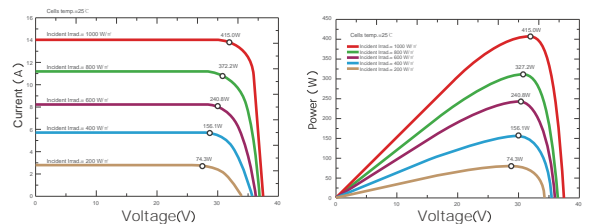
Temperature Characteristics

| | |
|--|-------------|
| Pmax Temperature Coefficient | -0.350%/°C |
| Voc Temperature Coefficient | -0.275%/°C |
| Isc Temperature Coefficient | +0.045%/°C |
| Operating Temperature | -40 ~ +85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C |

Packing Configuration

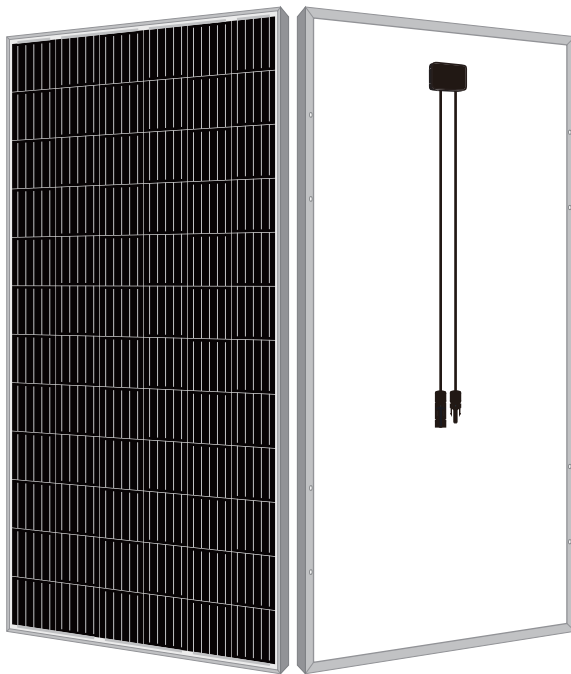
| | |
|-----------------------|------------------|
| | 1722x1134x30mm |
| Container | 20' GP 40' HQ |
| Pieces per Pallet | 36 36 |
| Pallets per Container | 6 26 |
| Pieces per Container | 216 936 |

Current-Voltage & Power-Voltage Curves (SKT415M10)

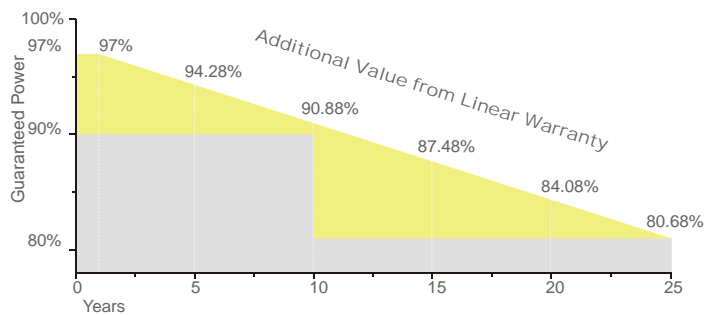


380~400 Watt

BLACK FRAME/BLACK
BACK-SHEET PRODUCTS ARE
AVAILABLE UPON REQUEST



WARRANTY



12 Years
Material & Craft
Quality
assurance

12 Years
90% Output
Power
guarantee

25 Years
80% Output
Power
guarantee

Safety



Safety for salt mist corrosion
(IEC61701, tested in TUV)



Safety for ammonia corrosion
(IEC62716, tested in TUV)



Safety for fire risk
(Class A, tested in TUV)

Key



High stability of the aluminium
frame



High quality junction box and
connector systems



100% inspection, to guarantee
the reliability of solar systems

Technology



Using high efficiency mono
solar cells



Excellent performance in
low-light environments

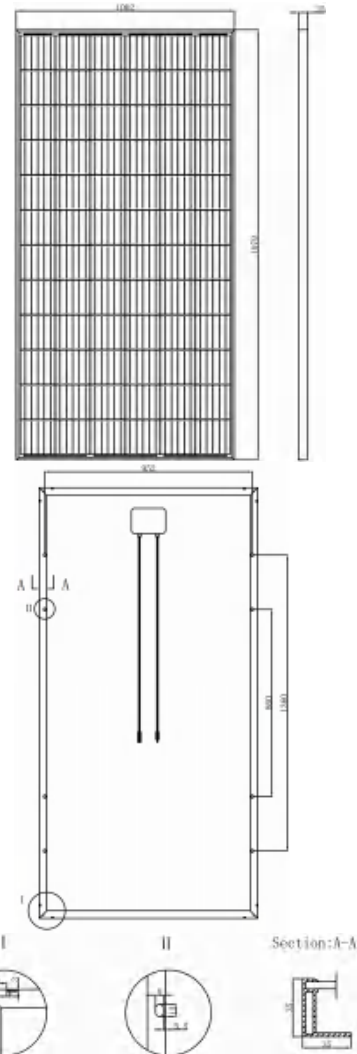


High transmissivity, low-iron
tempered glass.

Electrical Characteristics (STC)

| Module Type | SKT380M6-24 | SKT385M6-24 | SKT390M6-24 |
|--------------------------------|-------------|-------------|-------------|
| Maximum Power - Pmax(W) | 380 | 385 | 390 |
| Open Circuit Voltage - Voc(V) | 48.9 | 49.1 | 49.3 |
| Short-Circuit Current - Isc(A) | 9.75 | 9.92 | 10.12 |
| Voltage at Pmax - Vmp(V) | 40.5 | 40.8 | 41.1 |
| Current at Pmax - Imp(A) | 9.39 | 9.44 | 9.49 |
| Module Efficiency -ηm (%) | 19.16 | 19.42 | 19.67 |

| Module Type | SKT395M6-24 | SKT400M6-24 |
|--------------------------------|-------------|-------------|
| Maximum Power - Pmax(W) | 395 | 400 |
| Open Circuit Voltage - Voc(V) | 49.5 | 49.8 |
| Short-Circuit Current - Isc(A) | 10.23 | 10.36 |
| Voltage at Pmax - Vmp(V) | 41.4 | 41.7 |
| Current at Pmax - Imp(A) | 9.55 | 9.60 |
| Module Efficiency -ηm (%) | 19.92 | 20.17 |



STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

| | |
|--------------------------------|-----------|
| Power Tolerance(W) | (0, +3%) |
| Maximum System Voltage(V) | 1000/1500 |
| Maximum Series Fuse Rating (A) | 20 |

Temperature Characteristics

| | |
|--|-------------|
| Pmax Temperature Coefficient | -0.37%/°C |
| Voc Temperature Coefficient | -0.28%/°C |
| Isc Temperature Coefficient | +0.048%/°C |
| Operating Temperature | -40 ~ +85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C |

Mechanical Specifications

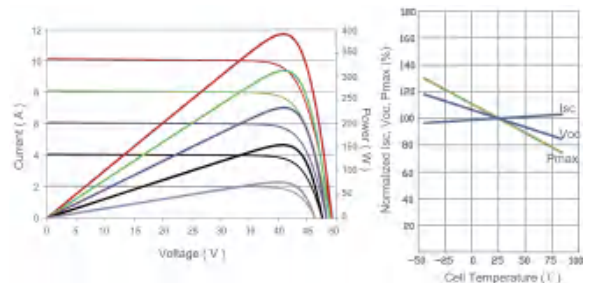
| | |
|---------------------|--|
| External Dimensions | 1979×1002×35 mm |
| Weight | 22.5 kg |
| Solar Cells | Mono crystalline 158.75×158.75mm (72pcs) |
| Front Glass | 3.2 mm tempered glass, low iron |
| Frame | Anodized aluminum alloy |
| Junction Box | IP68 |
| Output Cables | 4.0 mm ² , cable length:1000 mm |
| Connector | MC4 Compatible |
| Mechanical Load | 5400 Pa |

Packing Configuration

| 1979×1002×35mm | | |
|-----------------------|-------|-------|
| Container | 20'GP | 40'HQ |
| Pieces per Pallet | 30 | 33 |
| Pallets per Container | 10 | 22 |
| Pieces per Container | 300 | 726 |

All Dimensions in mm(inch)
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact SUNKET.

Current-Voltage & Power-Voltage Curves (390W) Temperature Dependence of Isc, Voc, Pmax



Specifications are subject to change without further notification
SKT-EN-2019V1.0 © Copyright 2019 Sunket

Electrical Characteristics

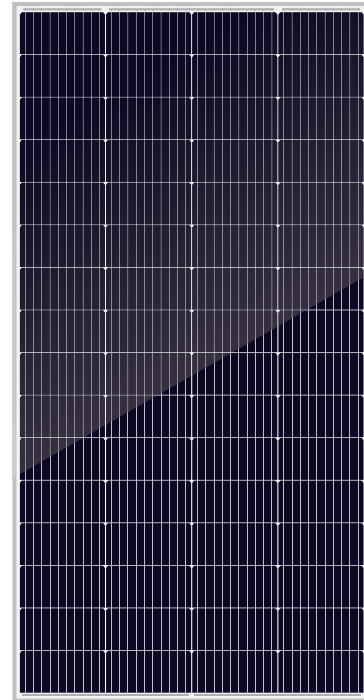
| Module Type | SKT 220~240M10 | | |
|---------------------------------|-------------------|-------|-------|
| | STC | | |
| Maximum Power- Pmax(W) | 220 | 230 | 240 |
| Open Circuit Voltage - Voc(V) | 21.71 | 21.83 | 21.96 |
| Short- Circuit Current - Isc(A) | 12.50 | 12.85 | 13.23 |
| Voltage at Pmax -Vmp(V) | 18.60 | 18.85 | 19.06 |
| Current at Pmax - Imp(A) | 11.83 | 12.20 | 12.59 |
| Module Efficiency - η m(%) | 18.73 | 19.59 | 20.44 |
| Power Tolerance(W) | 0, +4.99W | | |
| Maximum System Voltage(V) | 700Vdc (IEC / UL) | | |
| Maximum Series Fuse Rating(A) | 15A | | |

Mechanical Specifications

| | |
|---------------------|---|
| External Dimensions | 1535*765*35mm |
| Weight | 12.39kg |
| Solar Cells | Mono crystalline 182X91mm (4X16pcs) |
| Front Glass | 3.2 mm tempered glass |
| Frame | Aluminum |
| Junction Box | IP67 |
| Output Cables | 90cm, length can be customized |
| Connector | MC4 Compatible |
| Mechanical Load | Front Side Max. 5400Pa, Rear Side Max. 2400Pa |

220~240 Watt SKT 220~240M10

182mm 64Cells PV Module

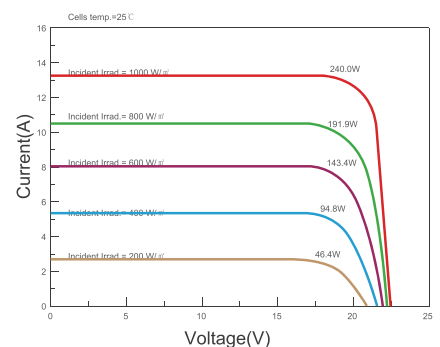
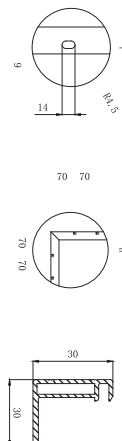
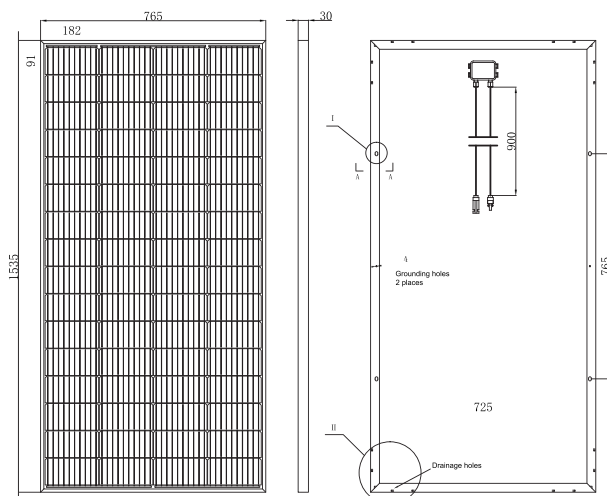


Temperature Characteristics

| | |
|--|------------|
| Pmax Temperature Coefficient | -0.350%/°C |
| Voc Temperature Coefficient | -0.270%/°C |
| Isc Temperature Coefficient | +0.048%/°C |
| Operating Temperature | -40~+85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C |

Packing Configuration

| | |
|-------------------|-----------------|
| Module Type | SKT220~240M10 |
| Module Dimensions | 1535*765*30mm |
| Pallet Dimensions | 1585*1100*885mm |
| Pallet Weight | 420kg |
| Pieces/Pallet | 36pcs |



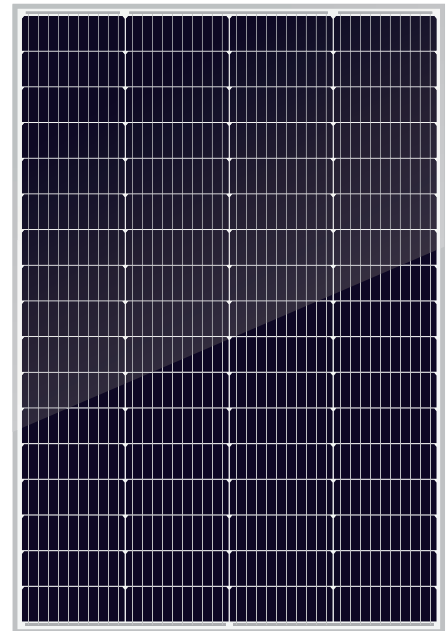
Electrical Characteristics

| Module Type | SKT 160~170M10 | |
|---------------------------------|-------------------|-------|
| | STC | |
| Maximum Power - Pmax(W) | 160 | 170 |
| Open Circuit Voltage - Voc(V) | 23.18 | 23.34 |
| Short-Circuit Current - Isc(A) | 8.43 | 8.82 |
| Voltage at Pmax - Vmp(V) | 19.99 | 20.26 |
| Current at Pmax - Imp(A) | 8.00 | 8.39 |
| Module Efficiency - η m(%) | 18.93 | 20.11 |
| Power Tolerance(W) | 0, +4.99W | |
| Maximum System Voltage(V) | 700Vdc (IEC / UL) | |
| Maximum Series Fuse Rating (A) | 10A | |

160~170 Watt

SKT 160~170M10

182mm 68Cells PV Module



Mechanical Specifications

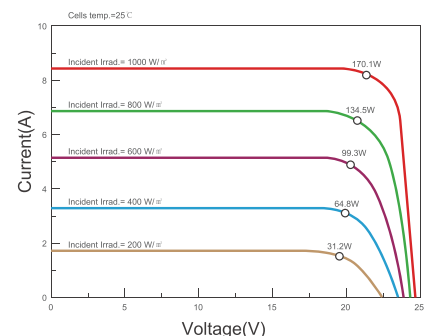
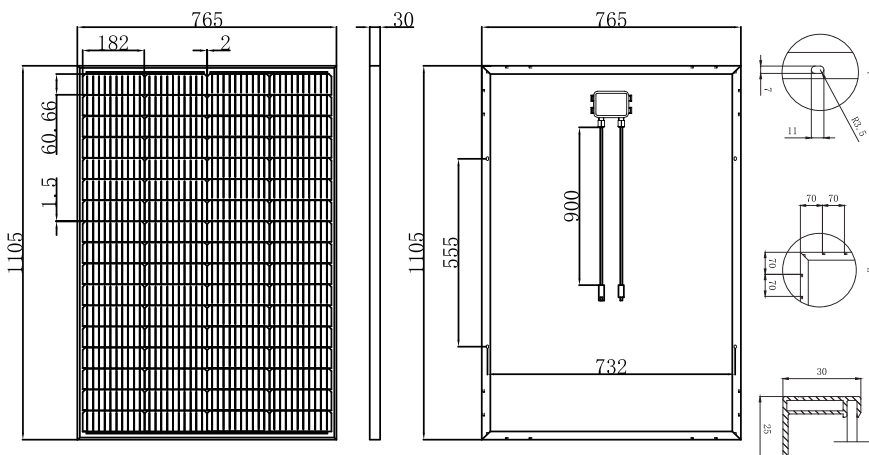
| | |
|---------------------|---|
| External Dimensions | 1105*765*30mm |
| Weight | 9.11kg |
| Solar Cells | Mono crystalline 182X60.66mm (4X17pcs) |
| Front Glass | 3.2 mm tempered glass |
| Frame | Aluminum |
| Junction Box | IP67 |
| Output Cables | 90cm, length can be customized |
| Connector | MC4 Compatible |
| Mechanical Load | Front Side Max. 5400Pa, Rear Side Max. 2400Pa |

Temperature Characteristics

| | |
|--|------------|
| Pmax Temperature Coefficient | -0.350%/°C |
| Voc Temperature Coefficient | -0.270%/°C |
| Isc Temperature Coefficient | +0.048%/°C |
| Operating Temperature | -40~+85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C |

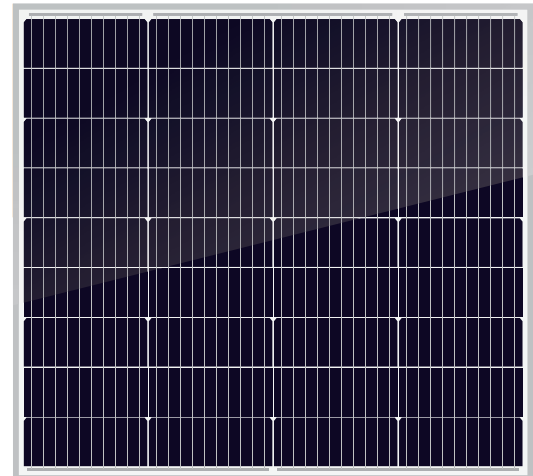
Packing Configuration

| | |
|-------------------|-----------------|
| Module Type | SKT160~170M10 |
| Module Dimensions | 1105*765*30mm |
| Pallet Dimensions | 1155*1130*885mm |
| Pallet Weight | 325kg |
| Pieces/Pallet | 36pcs |



100 Watt SKT 100M10

182mm 36Cells PV Module



Electrical Characteristics

| | |
|---------------------------------|-------------------|
| Module Type | SKT 100M10 |
| | STC |
| Maximum Power- Pmax(W) | 100 |
| Open Circuit Voltage - Voc(V) | 24.47 |
| Short- Circuit Current - Isc(A) | 5.02 |
| Voltage at Pmax - Vmp(V) | 21.03 |
| Current at Pmax - Imp(A) | 4.76 |
| Module Efficiency - ηm(%) | 18.16 |
| Power Tolerance(W) | 0, +4.99W |
| Maximum System Voltage(V) | 700Vdc (IEC / UL) |
| Maximum Series Fuse Rating (A) | 10A |

Mechanical Specifications

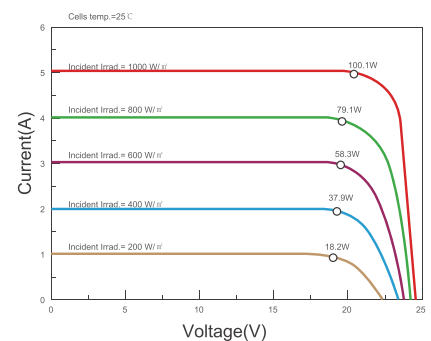
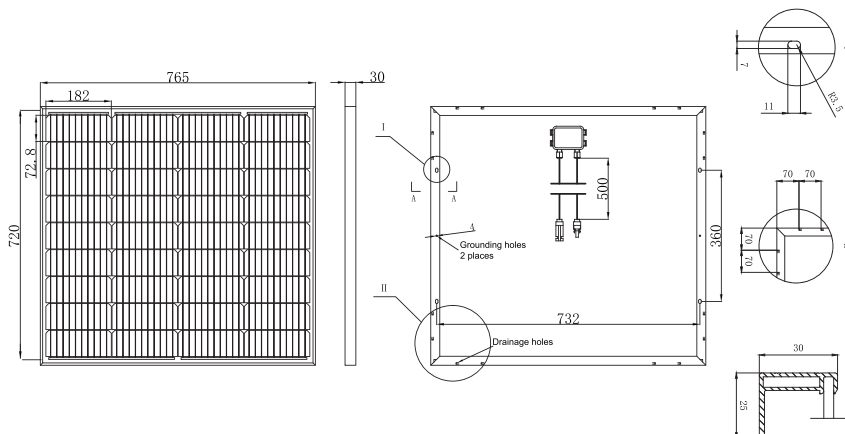
| | |
|---------------------|---|
| External Dimensions | 720*765*30mm |
| Weight | 5.83kg |
| Solar Cells | Mono crystalline 182X72.8mm (4X9pcs) |
| Front Glass | 3.2 mm tempered glass |
| Frame | Aluminum |
| Junction Box | IP67 |
| Output Cables | 50cm, length can be customized |
| Connector | MC4 Compatible |
| Mechanical Load | Front Side Max. 5400Pa, Rear Side Max. 2400Pa |

Temperature Characteristics

| | |
|--|------------|
| Pmax Temperature Coefficient | -0.350%/°C |
| Voc Temperature Coefficient | -0.270%/°C |
| Isc Temperature Coefficient | +0.048%/°C |
| Operating Temperature | -40~+85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C |

Packing Configuration

| | |
|-------------------|----------------|
| Module Type | SKT100M10 |
| Module Dimensions | 720*765*30mm |
| Pallet Dimensions | 770*1100*885mm |
| Pallet Weight | 240kg |
| Pieces/Pallet | 36pcs |



Electrical Characteristics

| | |
|---------------------------------|-------------------|
| Module Type | SKT 50M10 |
| | STC |
| Maximum Power- Pmax(W) | 50 |
| Open Circuit Voltage - Voc(V) | 19.12 |
| Short- Circuit Current - Isc(A) | 3.18 |
| Voltage at Pmax -Vmp(V) | 16.53 |
| Current at Pmax - Imp(A) | 3.02 |
| Module Efficiency - η m(%) | 17.83 |
| Power Tolerance(W) | 0, +4.99W |
| Maximum System Voltage(V) | 700Vdc (IEC / UL) |
| Maximum Series Fuse Rating (A) | 10A |

Mechanical Specifications

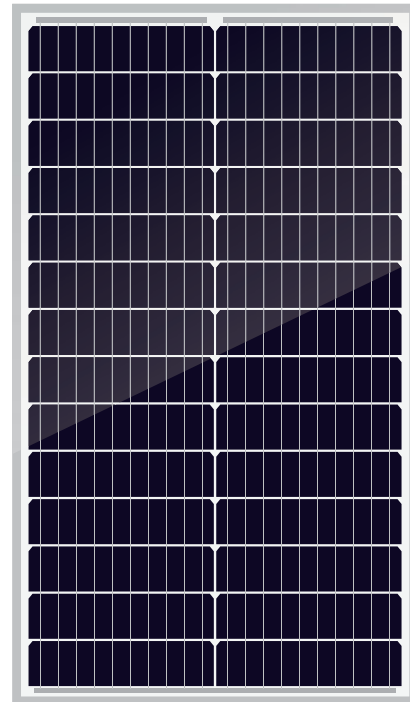
| | |
|---------------------|---|
| External Dimensions | 710*395*25mm |
| Weight | 3.09kg |
| Solar Cells | Mono crystalline 182X45.5mm (2X14pcs) |
| Front Glass | 3.2 mm tempered glass |
| Frame | Aluminum |
| Junction Box | IP67 |
| Output Cables | 50cm, length can be customized |
| Connector | MC4 Compatible |
| Mechanical Load | Front Side Max. 5400Pa, Rear Side Max. 2400Pa |

Temperature Characteristics

| | |
|--|------------|
| Pmax Temperature Coefficient | -0.350%/°C |
| Voc Temperature Coefficient | -0.270%/°C |
| Isc Temperature Coefficient | +0.048%/°C |
| Operating Temperature | -40 +85°C |
| Nominal Operating Cell Temperature(NOCT) | 45±2°C |

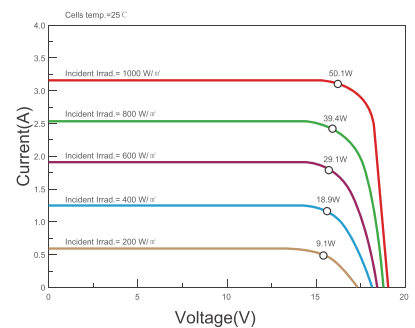
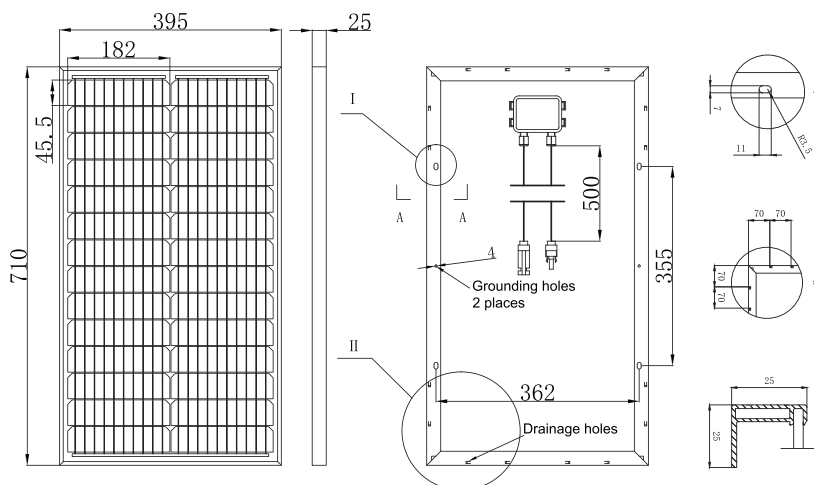
50 Watt SKT 50M10

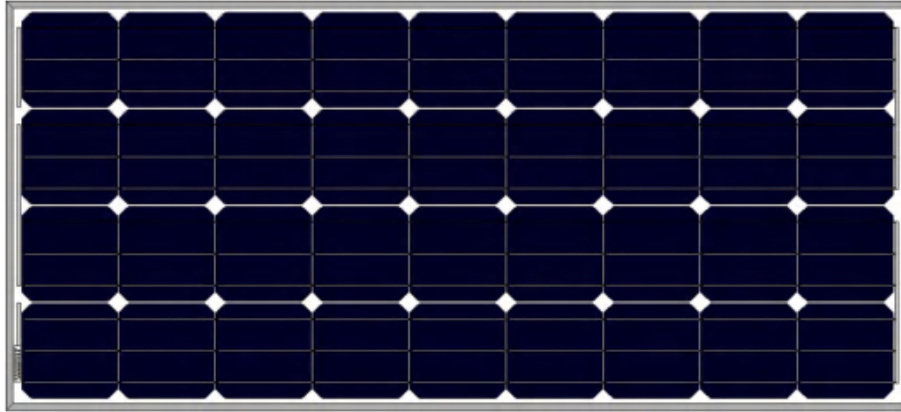
182mm 28Cells PV Module



Packing Configuration

| | |
|-------------------|----------------|
| Module Type | SKT50M10 |
| Module Dimensions | 710*395*25mm |
| Pallet Dimensions | 770*1100*930mm |
| Pallet Weight | 280kg |
| Pieces/Pallet | 80pcs |





Electrical Performance (STC: AM 1.5, 1000W/m², 25°C)

| Module Type | ST200M6-36F | ST190M6-36F | ST180M6-36F |
|---------------------------------|-------------|-------------|-------------|
| Maximum Power (Pmax / W) | 200 | 190 | 180 |
| Power Tolerance | | 0 - +5W | |
| Maximum Power Voltage (Vm / V) | 20.2 | 19.8 | 19.5 |
| Maximum Power Current (Im / A) | 9.91 | 9.60 | 9.24 |
| Open Circuit Voltage (Voc / V) | 24.6 | 24.1 | 23.4 |
| Short Circuit Current (Isc / A) | 10.41 | 10.08 | 9.65 |
| Module Efficiency (%) | 20.17 | 19.16 | 18.15 |

Mechanical Properties

| | |
|-------------------------|---------------------------------|
| Dimensions (LxWxH / mm) | 1480x670x35 |
| Weight (Kgs) | 9 |
| Solar Cells | Monocrystalline 6inches |
| No. of Cells | 36 (4x9) |
| Glass | 3.2mm tempered glass |
| Frame | Anodized aluminum alloy |
| Junction box | IP 65, 2 bypass diodes |
| Cables | 4mm ² , length 900mm |
| Connectors | IP67, MC4 compatible |

Operation Conditions

| | |
|-----------------------------------|------------|
| Maximum System Voltage (VDC) | 600 |
| Maximum Series Fuse Rating (A) | 15 |
| Operating Module Temperature (°C) | -40 to +85 |

Temperature Properties

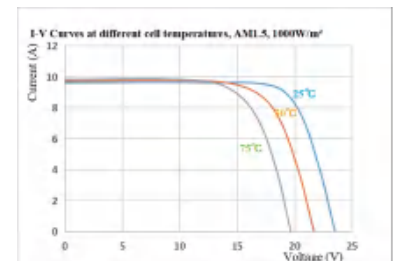
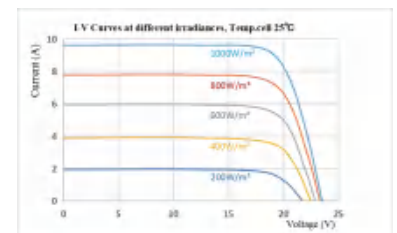
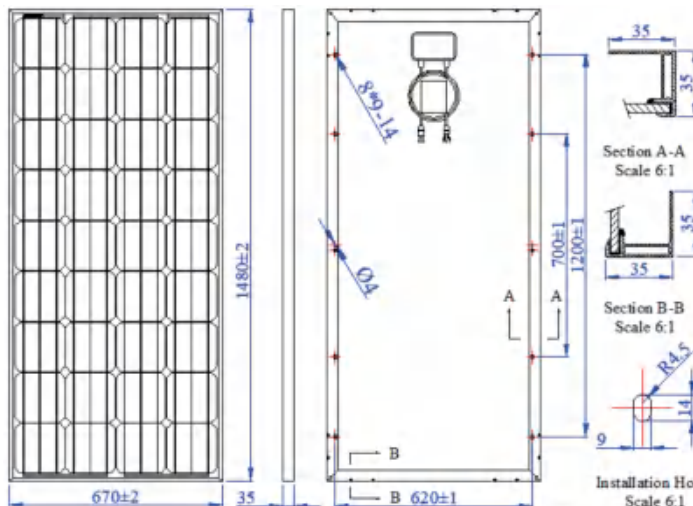
| | |
|-----------------------------------|-------------|
| Normal Operating Cell Temperature | 45±2 °C |
| Temperature Coefficient of Pm | -0.40 %/°C |
| Temperature Coefficient of Voc | -0.34 %/°C |
| Temperature Coefficient of Isc | +0.060 %/°C |

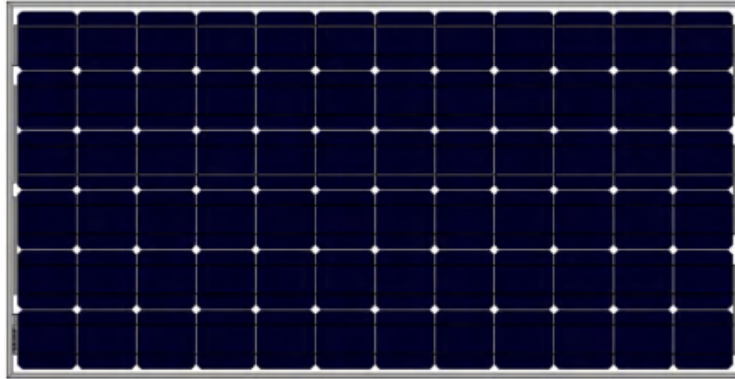
System Design

| | |
|------------------------------|------------------|
| Hail safety impact velocity | D 25mm at 23mm/s |
| Static Load (Front/Back) | 5400Pa/2400Pa |
| Application class | Class A |
| Fire safety class (IEC61730) | Class C |

Packing Configuration

| | | |
|-----------------------|------|------|
| Container Sizes | 20GP | 40HC |
| Pieces per pallet | 30 | 30 |
| Pallets per Container | 14 | 45 |
| Total pieces | 420 | 1350 |





Electrical Performance (STC: AM 1.5, 1000W/m², 25°C)

| Module Type | ST210M5-72F | ST205M5-72F | ST200M5-72F |
|---------------------------------|-------------|-------------|-------------|
| Maximum Power (Pmax / W) | 210 | 205 | 200 |
| Power Tolerance | | | 0 ~ +3% |
| Maximum Power Voltage (Vm / V) | 38.0 | 37.7 | 37.4 |
| Maximum Power Current (Im / A) | 5.54 | 5.45 | 5.36 |
| Open Circuit Voltage (Voc / V) | 45.3 | 45.1 | 45.0 |
| Short Circuit Current (Isc / A) | 5.97 | 5.87 | 5.78 |
| Module Efficiency (%) | 16.45 | 16.06 | 15.67 |

Mechanical Properties

| | |
|-------------------------|---------------------------------|
| Dimensions (L×W×H / mm) | 1580×808×35 |
| Weight (Kgs) | 14.6 |
| Solar Cells | Monocrystalline 125×125mm |
| No. of Cells | 72 (6×12) |
| Glass | 3.2mm low-iron tempered glass |
| Frame | Anodized aluminum alloy |
| Junction box | IP 65 above, 3 bypass diodes |
| Cables | 4mm ² , length 900mm |
| Connectors | IP67, MC4 compatible |

Operation Conditions

| | |
|-----------------------------------|------------|
| Maximum System Voltage (VDC) | 600 |
| Maximum Series Fuse Rating (A) | 10 |
| Operating Module Temperature (°C) | -40 to +85 |

Temperature Properties

| | |
|-----------------------------------|-------------|
| Normal Operating Cell Temperature | 45±2 °C |
| Temperature Coefficient of Pm | -0.45 %/°C |
| Temperature Coefficient of Voc | -0.344 %/°C |
| Temperature Coefficient of Isc | +0.021 %/°C |

System Design

| | |
|------------------------------|------------------|
| Hail safety impact velocity | D 25mm at 23mm/s |
| Static Load (Front/Back) | 5400Pa/2400Pa |
| Application class | Class A |
| Fire safety class (IEC61730) | Class C |

Packing Configuration

| | | |
|-----------------------|-------|-------|
| Container Sizes | 20GP | 40HC |
| Pieces per pallet | 28/34 | 28/40 |
| Pallets per Container | 6+6 | 14+14 |
| Total pieces | 372 | 952 |

