

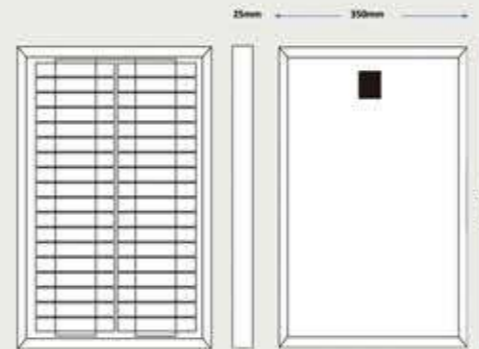
SOLAR PANEL

Polycrystalline Module Models

| Electrical Specifications | |
|----------------------------|--------|
| Model type | 20W |
| Peak power(Pmax) | 20W |
| Cell Efficiency | 16.93% |
| Max. power volt.(Vmp) | 17.8V |
| Max. power current(Imp) | 1.13A |
| Open circuit volt.(Voc) | 21.8V |
| Short circuit volt.(Voc) | 1.23A |
| Power Tolerance | ±3% |
| Max. system voltage | 1000V |
| Series fuse rating(A) | |
| Number of byperature diode | 0 |

| Temperature Coefficients | |
|------------------------------------------------|-----------|
| Current Temperature Coefficient α (Isc) | 0.08%/°C |
| Voltage Temperature Coefficient β (Voc) | -0.32%/°C |
| Power Temperature Coefficient γ (Pmax) | -0.38%/°C |

| Mechanical Characteristics | |
|----------------------------|------------------------------------------------------------------------------|
| Dimensions: | 490*350*25mm |
| Weight: | 2.2kg |
| Solar Cells: | 36 cell in series(4x9) |
| Construction: | High-transmission low-iron tempered glass, EVA, TPT |
| Frame: | Anodized aluminm is mainly for improving corrosion resistance. Color: silver |
| Cable | LAPP(4mm ²) |
| Lengths | 900mm(-) and 900mm(+) |
| Connector | MC Plug TypeIV |



Module Diagram

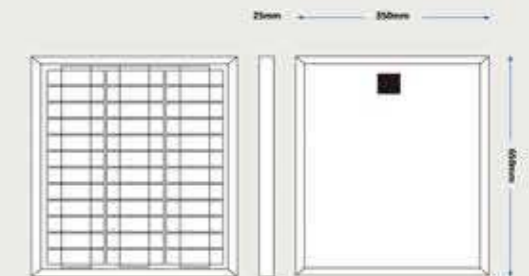
- Electrical Specifications
- 5 years manufacturing warranty
 - 12 years warranty 90% power output
 - 25 years warranty 80% power output

Polycrystalline Module Models

| Electrical Specifications | |
|----------------------------|--------|
| Model type | 30W |
| Peak power(Pmax) | 30W |
| Cell Efficiency | 16.93% |
| Max. power volt.(Vmp) | 17.8V |
| Max. power current(Imp) | 1.69A |
| Open circuit volt.(Voc) | 21.8V |
| Short circuit volt.(Voc) | 1.85A |
| Power Tolerance | ±3% |
| Max. system voltage | 600V |
| Series fuse rating(A) | |
| Number of byperature diode | 0 |

| Temperature Coefficients | |
|------------------------------------------------|-----------|
| Current Temperature Coefficient α (Isc) | 0.08%/°C |
| Voltage Temperature Coefficient β (Voc) | -0.32%/°C |
| Power Temperature Coefficient γ (Pmax) | -0.38%/°C |

| Mechanical Characteristics | |
|----------------------------|------------------------------------------------------------------------------|
| Dimensions: | 650*350*25mm |
| Weight: | 3.1kg |
| Solar Cells: | 72 cell in series(6x12) |
| Construction: | High-transmission low-iron tempered glass, EVA, TPT |
| Frame: | Anodized aluminm is mainly for improving corrosion resistance. Color: silver |
| Cable | LAPP(4mm ²) |
| Lengths | 900mm(-) and 900mm(+) |
| Connector | MC Plug TypeIV |



Module Diagram

- Electrical Specifications
- 5 years manufacturing warranty
 - 12 years warranty 90% power output
 - 25 years warranty 80% power output



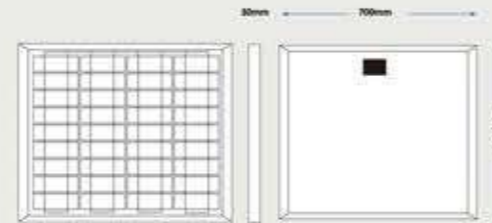
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Polycrystalline Module Models

| Electrical Specifications | |
|----------------------------|--------|
| Model type | 50W |
| Peak power(Pmax) | 50W |
| Cell Efficiency | 16.93% |
| Max. power volt.(Vmp) | 17.8V |
| Max. power current(Imp) | 2.81A |
| Open circuit volt.(Voc) | 21.8V |
| Short circuit volt.(Voc) | 3.05A |
| Power Tolerance | ±3% |
| Max. system voltage | 800V |
| Series fuse rating(A) | 7 |
| Number of byperature diode | 2 |

| Temperature Coefficients | |
|------------------------------------------------|-----------|
| Current Temperature Coefficient α (Isc) | 0.08%/°C |
| Voltage Temperature Coefficient β (Voc) | -0.32%/°C |
| Power Temperature Coefficient γ (Pmax) | -0.38%/°C |

| Mechanical Characteristics | |
|----------------------------|------------------------------------------------------------------------------|
| Dimensions: | 700*510*30mm |
| Weight: | 4.6kg |
| Solar Cells: | 36 cell in series(4x9) |
| Construction: | High-transmission low-iron tempered glass, EVA,TPT |
| Frame: | Anodized aluminm is mainly for improving corrosion resistance. Color: silver |
| Cable | LAPP(4mm ²) |
| Lengths | 900mm(-) and 900mm(+) |
| Connector | MC Plug TypeIV |



Module Diagram

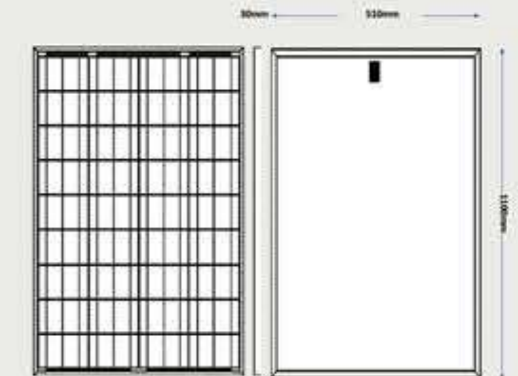
- Electrical Specifications**
- 5 years manufacturing warranty
 - 12 years warranty 90% power output
 - 25 years warranty 80% power output

Polycrystalline Module Models

| Electrical Specifications | |
|----------------------------|--------|
| Model type | 80W |
| Peak power(Pmax) | 80W |
| Cell Efficiency | 16.93% |
| Max. power volt.(Vmp) | 17.5V |
| Max. power current(Imp) | 4.58A |
| Open circuit volt.(Voc) | 21.8V |
| Short circuit volt.(Voc) | 4.93A |
| Power Tolerance | ±3% |
| Max. system voltage | 800V |
| Series fuse rating(A) | 10 |
| Number of byperature diode | 2 |

| Temperature Coefficients | |
|------------------------------------------------|-----------|
| Current Temperature Coefficient α (Isc) | 0.08%/°C |
| Voltage Temperature Coefficient β (Voc) | -0.32%/°C |
| Power Temperature Coefficient γ (Pmax) | -0.38%/°C |

| Mechanical Characteristics | |
|----------------------------|------------------------------------------------------------------------------|
| Dimensions: | 1100*510*30mm |
| Weight: | 7.2kg |
| Solar Cells: | 72 cell in series(6x12) |
| Construction: | High-transmission low-iron tempered glass, EVA,TPT |
| Frame: | Anodized aluminm is mainly for improving corrosion resistance. Color: silver |
| Cable | LAPP(4mm ²) |
| Lengths | 900mm(-) and 900mm(+) |
| Connector | MC Plug TypeIV |



Module Diagram

- Electrical Specifications**
- 5 years manufacturing warranty
 - 12 years warranty 90% power output
 - 25 years warranty 80% power output



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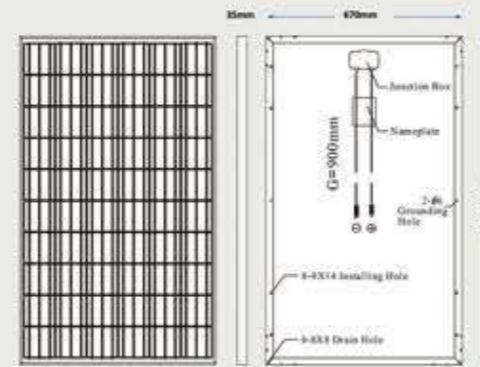
Polycrystalline Module Models

| Electrical Specifications | |
|----------------------------|--------|
| Model type | 100W |
| Peak power(Pmax) | 100W |
| Cell Efficiency | 16.93% |
| Max. power volt.(Vmp) | 17.8V |
| Max. power current(Imp) | 5.62A |
| Open circuit volt.(Voc) | 21.8V |
| Short circuit volt.(Voc) | 6.05A |
| Power Tolerance | ±3% |
| Max. system voltage | 1000V |
| Series fuse rating(A) | 12 |
| Number of byperature diode | 2 |



| Temperature Coefficients | |
|------------------------------------------------|-----------|
| Current Temperature Coefficient α (Isc) | 0.08%/°C |
| Voltage Temperature Coefficient β (Voc) | -0.32%/°C |
| Power Temperature Coefficient γ (Pmax) | -0.38%/°C |

| Mechanical Characteristics | |
|----------------------------|------------------------------------------------------------------------------|
| Dimensions: | 1030*670*35mm |
| Weight: | 6.1kg |
| Solar Cells: | 36 cell in series(4x9) |
| Construction: | High-transmission low-iron tempered glass, EVA,TPT |
| Frame: | Anodized aluminm is mainly for improving corrosion resistance. Color: silver |
| Cable | LAPP(4mm ²) |
| Lengths | 900mm(-) and 900mm(+) |
| Connector | MC Plug TypeIV |



Module Diagram

Electrical Specifications

- 5 years manufacturing warranty
- 12 years warranty 90% power output
- 25 years warranty 80% power output

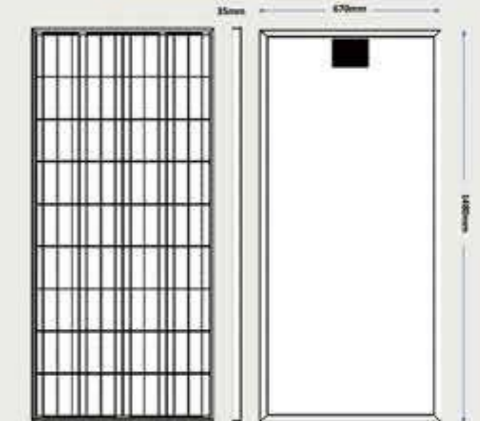
Polycrystalline Module Models

| Electrical Specifications | |
|----------------------------|--------|
| Model type | 150W |
| Peak power(Pmax) | 150W |
| Cell Efficiency | 17.04% |
| Max. power volt.(Vmp) | 17.8V |
| Max. power current(Imp) | 8.43A |
| Open circuit volt.(Voc) | 21.8V |
| Short circuit volt.(Voc) | 9.08A |
| Power Tolerance | ±3% |
| Max. system voltage | 1000V |
| Series fuse rating(A) | 15 |
| Number of byperature diode | 2/4 |



| Temperature Coefficients | |
|------------------------------------------------|-----------|
| Current Temperature Coefficient α (Isc) | 0.08%/°C |
| Voltage Temperature Coefficient β (Voc) | -0.32%/°C |
| Power Temperature Coefficient γ (Pmax) | -0.38%/°C |

| Mechanical Characteristics | |
|----------------------------|------------------------------------------------------------------------------|
| Dimensions: | 1480*670*35mm |
| Weight: | 12.5kg |
| Solar Cells: | 36 cell in series(4x9) |
| Construction: | High-transmission low-iron tempered glass, EVA,TPT |
| Frame: | Anodized aluminm is mainly for improving corrosion resistance. Color: silver |
| Cable | LAPP(4mm ²) |
| Lengths | 900mm(-) and 900mm(+) |
| Connector | MC Plug TypeIV |



Module Diagram

Electrical Specifications

- 5 years manufacturing warranty
- 12 years warranty 90% power output
- 25 years warranty 80% power output



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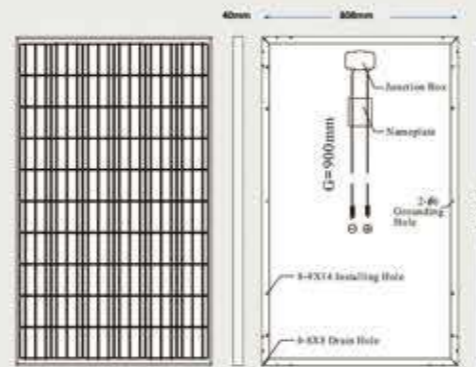
Polycrystalline Module Models

| Electrical Specifications | |
|----------------------------|--------|
| Model type | 200W |
| Peak power(Pmax) | 200W |
| Cell Efficiency | 16.93% |
| Max. power volt.(Vmp) | 35.8V |
| Max. power current(Imp) | 5.59A |
| Open circuit volt.(Voc) | 44V |
| Short circuit volt.(Voc) | 6.08A |
| Power Tolerance | ±3% |
| Max. system voltage | 1000V |
| Series fuse rating(A) | 15 |
| Number of byperature diode | 6 |



| Temperature Coefficients | |
|------------------------------------------------|-----------|
| Current Temperature Coefficient α (Isc) | 0.08%/°C |
| Voltage Temperature Coefficient β (Voc) | -0.32%/°C |
| Power Temperature Coefficient γ (Pmax) | -0.38%/°C |

| Mechanical Characteristics | |
|----------------------------|------------------------------------------------------------------------------|
| Dimensions: | 1580*808*40mm |
| Weight: | 17.6kg |
| Solar Cells: | 72 cell in series(6x12) |
| Construction: | High-transmission low-iron tempered glass, EVA,TPT |
| Frame: | Anodized aluminm is mainly for improving corrosion resistance. Color: silver |
| Cable | LAPP(4mm ²) |
| Lengths | 900mm(-) and 900mm(+) |
| Connector: | MC Plug TypeIV |



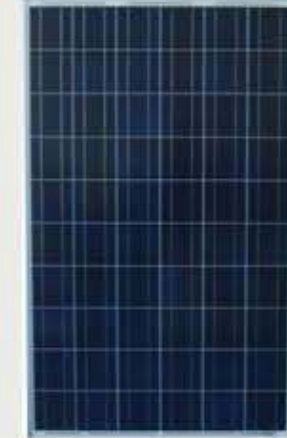
Module Diagram

Electrical Specifications

- 5 years manufacturing warranty
- 12 years warranty 90% power output
- 25 years warranty 80% power output

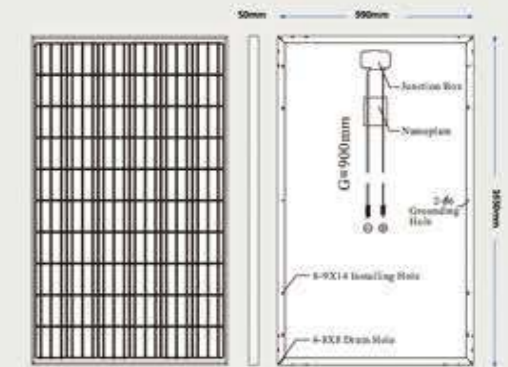
Polycrystalline Module Models

| Electrical Specifications | |
|----------------------------|--------|
| Model type | 250W |
| Peak power(Pmax) | 250W |
| Cell Efficiency | 16.93% |
| Max. power volt.(Vmp) | 30V |
| Max. power current(Imp) | 8.34A |
| Open circuit volt.(Voc) | 36.8V |
| Short circuit volt.(Voc) | 9A |
| Power Tolerance | ±3% |
| Max. system voltage | 1000V |
| Series fuse rating(A) | 15 |
| Number of byperature diode | 6 |



| Temperature Coefficients | |
|------------------------------------------------|-----------|
| Current Temperature Coefficient α (Isc) | 0.08%/°C |
| Voltage Temperature Coefficient β (Voc) | -0.32%/°C |
| Power Temperature Coefficient γ (Pmax) | -0.38%/°C |

| Mechanical Characteristics | |
|----------------------------|------------------------------------------------------------------------------|
| Dimensions: | 1650*990*50mm |
| Weight: | 18.16kg |
| Solar Cells: | 60 cell in series(6x10) |
| Construction: | High-transmission low-iron tempered glass, EVA,TPT |
| Frame: | Anodized aluminm is mainly for improving corrosion resistance. Color: silver |
| Cable | LAPP(4mm ²) |
| Lengths | 900mm(-) and 900mm(+) |
| Connector: | MC Plug TypeIV |



Module Diagram

Electrical Specifications

- 5 years manufacturing warranty
- 12 years warranty 90% power output
- 25 years warranty 80% power output



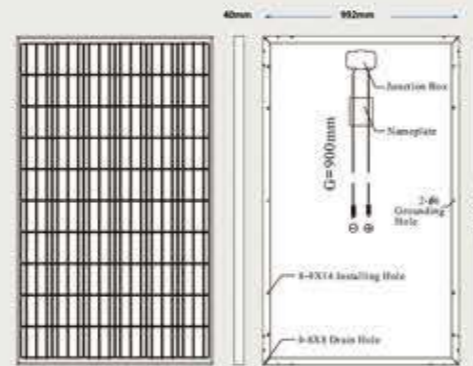
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Polycrystalline Module Models

| Electrical Specifications | |
|----------------------------|--------|
| Model type | 280W |
| Peak power(Pmax) | 280W |
| Cell Efficiency | 16.93% |
| Max. power volt.(Vmp) | 30.85V |
| Max. power current(Imp) | 8.11A |
| Open circuit volt.(Voc) | 36.92V |
| Short circuit volt.(Voc) | 8.45A |
| Power Tolerance | ±3% |
| Max. system voltage | 1000V |
| Series fuse rating(A) | 15 |
| Number of byperature diode | 6 |

| Temperature Coefficients | |
|------------------------------------------------|-----------|
| Current Temperature Coefficient α (Isc) | 0.08%/°C |
| Voltage Temperature Coefficient β (Voc) | -0.32%/°C |
| Power Temperature Coefficient γ (Pmax) | -0.38%/°C |

| Mechanical Characteristics | |
|----------------------------|------------------------------------------------------------------------------|
| Dimensions: | 1650*900*50mm |
| Weight: | 18.16kg |
| Solar Cells: | 60 cell in series(6x10) |
| Construction: | High-transmission low-iron tempered glass, EVA,TPT |
| Frame: | Anodized aluminm is mainly for improving corrosion resistance. Color: silver |
| Cable | LAPP(4mm ²) |
| Lengths | 900mm(-) and 900mm(+) |
| Connector | MC Plug TypeIV |



Module Diagram

Electrical Specifications

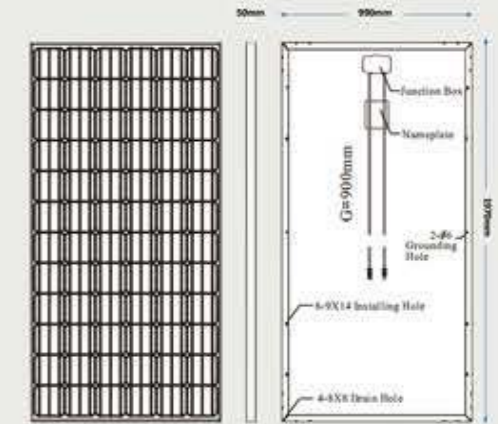
- 5 years manufacturing warranty
- 12 years warranty 90% power output
- 25 years warranty 80% power output

Polycrystalline Module Models

| Electrical Specifications | |
|----------------------------|--------|
| Model type | 300W |
| Peak power(Pmax) | 300W |
| Cell Efficiency | 17.04% |
| Max. power volt.(Vmp) | 35.8V |
| Max. power current(Imp) | 8.38A |
| Open circuit volt.(Voc) | 44V |
| Short circuit volt.(Voc) | 9.05A |
| Power Tolerance | ±3% |
| Max. system voltage | 1000V |
| Series fuse rating(A) | 15 |
| Number of byperature diode | 6 |

| Temperature Coefficients | |
|------------------------------------------------|-----------|
| Current Temperature Coefficient α (Isc) | 0.08%/°C |
| Voltage Temperature Coefficient β (Voc) | -0.32%/°C |
| Power Temperature Coefficient γ (Pmax) | -0.38%/°C |

| Mechanical Characteristics | |
|----------------------------|------------------------------------------------------------------------------|
| Dimensions: | 1950*990*50mm |
| Weight: | 25kg |
| Solar Cells: | 72 cell in series(6x12) |
| Construction: | High-transmission low-iron tempered glass, EVA,TPT |
| Frame: | Anodized aluminm is mainly for improving corrosion resistance. Color: silver |
| Cable | LAPP(4mm ²) |
| Lengths | 900mm(-) and 900mm(+) |
| Connector | MC Plug TypeIV |



Module Diagram

Electrical Specifications

- 5 years manufacturing warranty
- 12 years warranty 90% power output
- 25 years warranty 80% power output

