

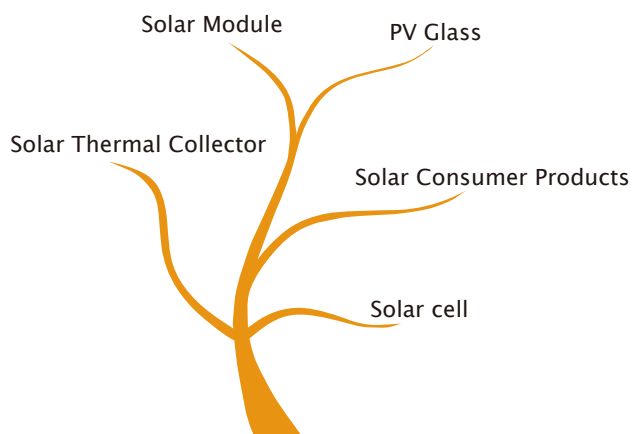
# TPS105S-5W-MONO

5 W  
MONO Crystalline Solar Module



## Not Your Average Solar Provider

### Our Products Categories



Professional Solar Provider Since 1992

## Key Feature

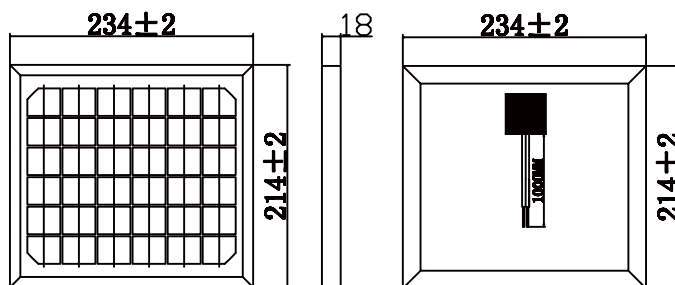
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

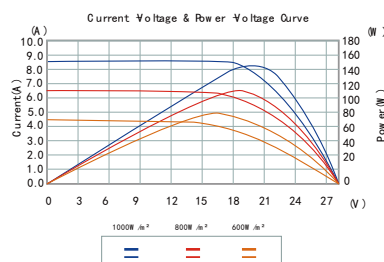
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	234×214×18mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.7m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-5W-MONO
Maximum Power at STC(Pmax)	5W (+/-5%)
Short Circuit Current(Isc)	0.29A
Open Circuit Voltage(Voc)	22.68V
Maximum Power Current(Imp)	0.26A
Maximum Power Voltage(Vmp)	19.08V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



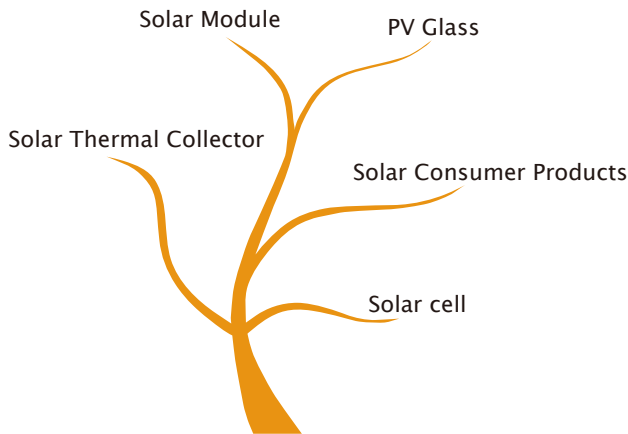
NOTE: READ SAFETY AND INSTALLATION INSTRUCTIONS OR CONTACT THE TECHNICAL SERVICE FOR FURTHER INFORMATION BEFORE USING THE PRODUCT.  
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# TPS105S-10W-MONO <sup>10 W</sup> MONO Crystalline Solar Module



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## Key Feature

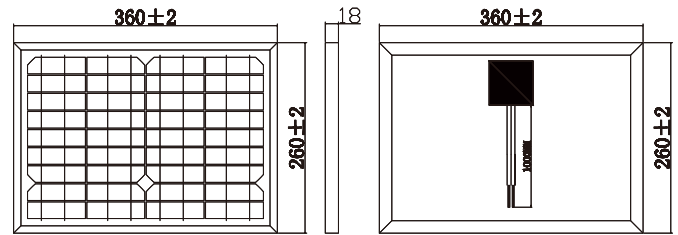
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

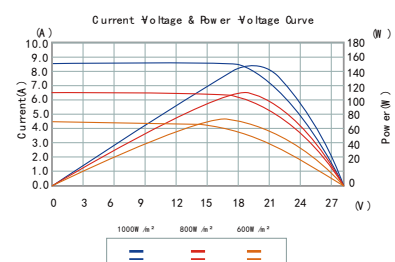
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	360x260x18mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 1.0m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-10W-MONO
Maximum Power at STC(P <sub>max</sub> )	10W (+/-5%)
Short Circuit Current(I <sub>sc</sub> )	0.57A
Open Circuit Voltage(V <sub>oc</sub> )	22.68V
Maximum Power Current(I <sub>mp</sub> )	0.53A
Maximum Power Voltage(V <sub>mp</sub> )	19.08V

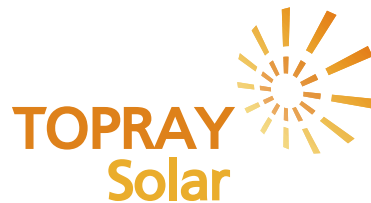
### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



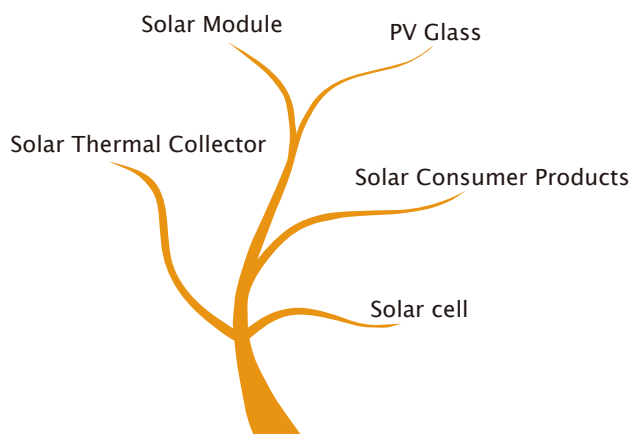
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# TPS105S-20W-MONO 20 W MONO Crystalline Solar Module



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## Key Feature

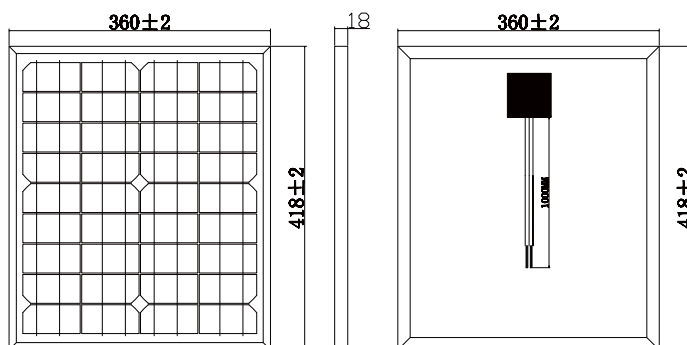
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

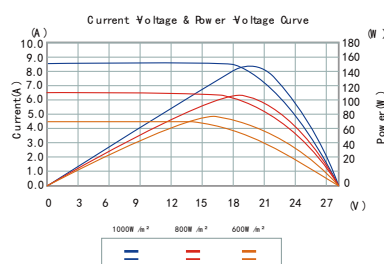
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	360x418x18mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 1.0m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-20W-MONO
Maximum Power at STC(Pmax)	20W (+/-5%)
Short Circuit Current(Isc)	1.14A
Open Circuit Voltage(Voc)	22.68V
Maximum Power Current(Imp)	1.05A
Maximum Power Voltage(Vmp)	19.08V

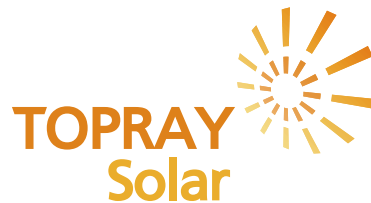
### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



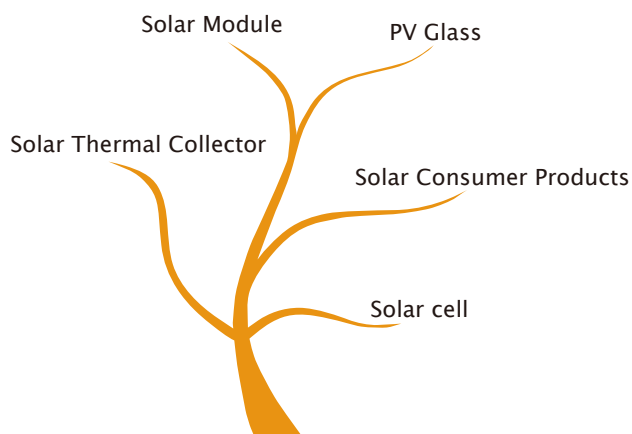
NOTE: READ SAFETY AND INSTALLATION INSTRUCTIONS OR CONTACT THE TECHNICAL SERVICE FOR FURTHER INFORMATION BEFORE USING THE PRODUCT.  
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# TPS105S-35W-MONO <sup>35 W</sup> MONO Crystalline Solar Module



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## Key Feature

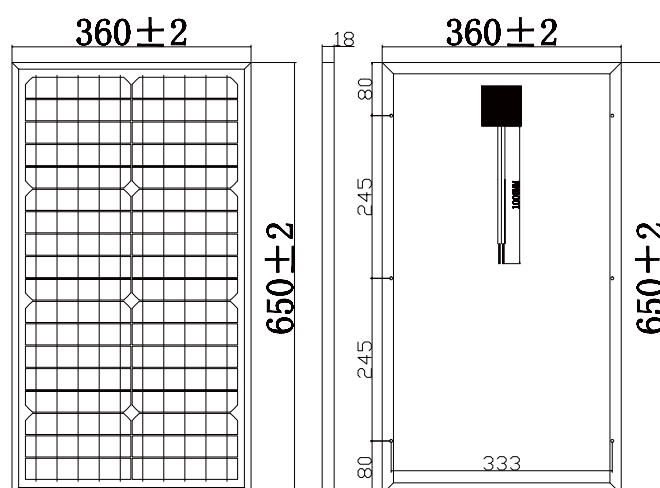
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

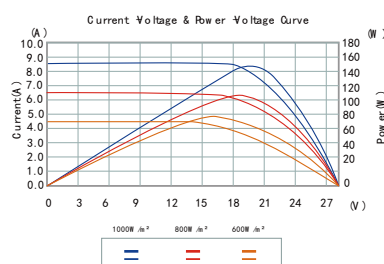
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	360x650x18mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 1.0m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-35W-MONO
Maximum Power at STC(Pmax)	35W (+/-5%)
Short Circuit Current(Isc)	1.98A
Open Circuit Voltage(Voc)	22.68V
Maximum Power Current(Imp)	1.84A
Maximum Power Voltage(Vmp)	19.08V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85

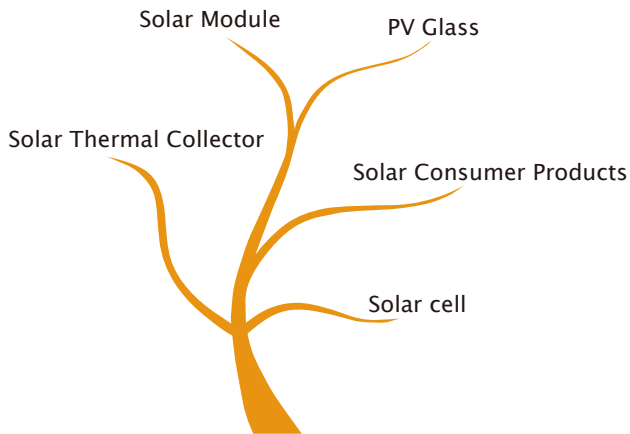


# TPS105S-45W-MONO <sup>45 W</sup> MONO Crystalline Solar Module



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## Key Feature

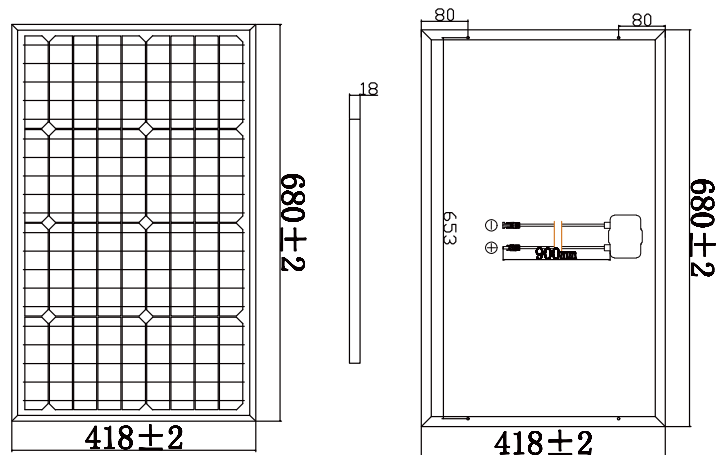
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

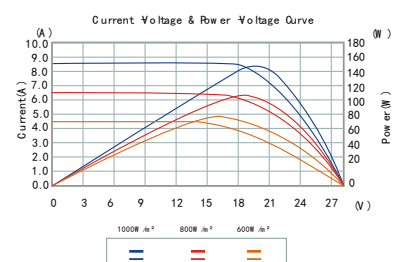
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	680x418x25mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.9m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-45W-MONO
Maximum Power at STC(Pmax)	45W (+/-5%)
Short Circuit Current(Isc)	2.54A
Open Circuit Voltage(Voc)	22.68V
Maximum Power Current(Imp)	2.36A
Maximum Power Voltage(Vmp)	19.08V

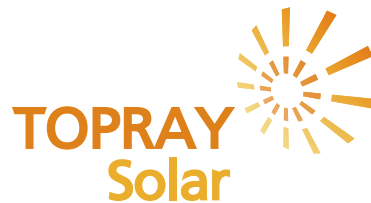
### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



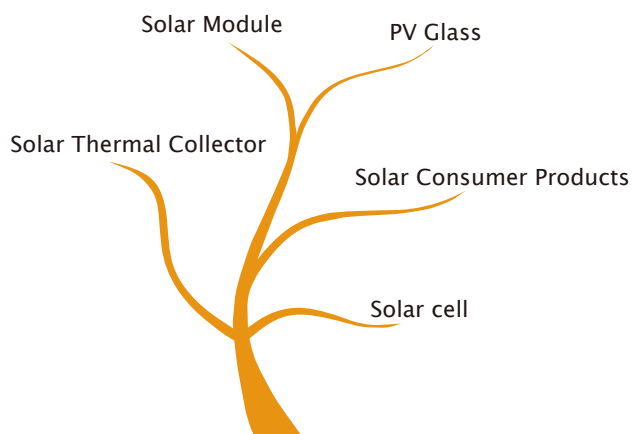
NOTE: READ SAFETY AND INSTALLATION INSTRUCTIONS OR CONTACT THE TECHNICAL SERVICE FOR FURTHER INFORMATION BEFORE USING THE PRODUCT.  
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# TPS105S-60W-MONO <sup>60 W</sup> MONO Crystalline Solar Module



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## Key Feature

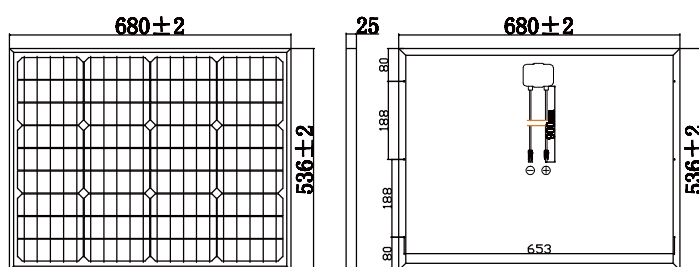
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

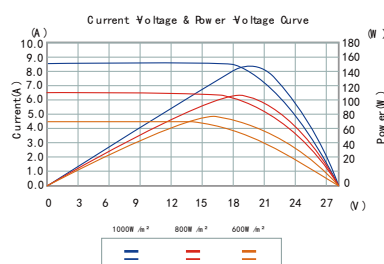
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	680x536x25mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.9m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-60W-MONO
Maximum Power at STC(Pmax)	60W (+/-5%)
Short Circuit Current(Isc)	3.39A
Open Circuit Voltage(Voc)	22.68V
Maximum Power Current(Imp)	3.15A
Maximum Power Voltage(Vmp)	19.08V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



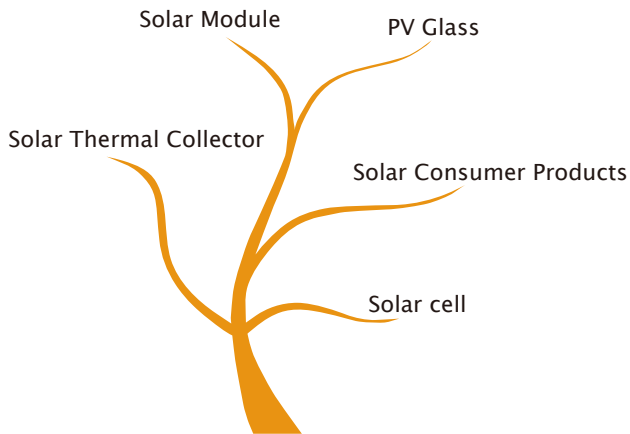
NOTE: READ SAFETY AND INSTALLATION INSTRUCTIONS OR CONTACT THE TECHNICAL SERVICE FOR FURTHER INFORMATION BEFORE USING THE PRODUCT.  
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# TPS105S-70W-MONO 70 W MONO Crystalline Solar Module



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## Key Feature

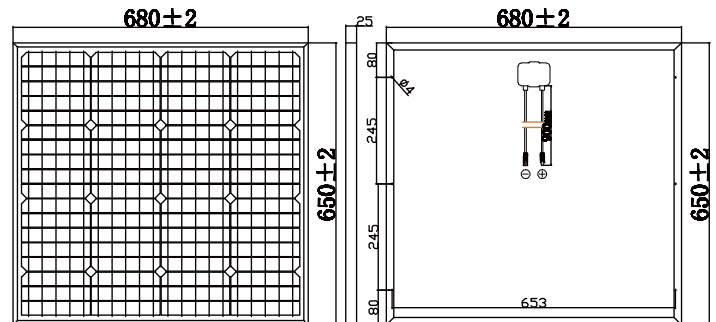
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

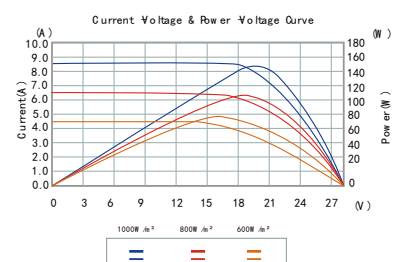
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	72pcs
Dimensions	680x650x25mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.9m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

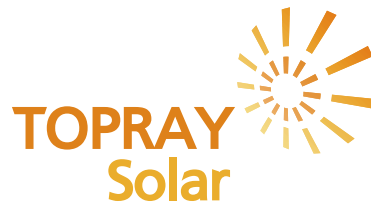
Module Series	TPS105S-70W-MONO
Maximum Power at STC(P <sub>max</sub> )	70W (+/-5%)
Short Circuit Current(I <sub>sc</sub> )	3.96A
Open Circuit Voltage(V <sub>oc</sub> )	22.68V
Maximum Power Current(I <sub>mp</sub> )	3.67A
Maximum Power Voltage(V <sub>mp</sub> )	19.08V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85

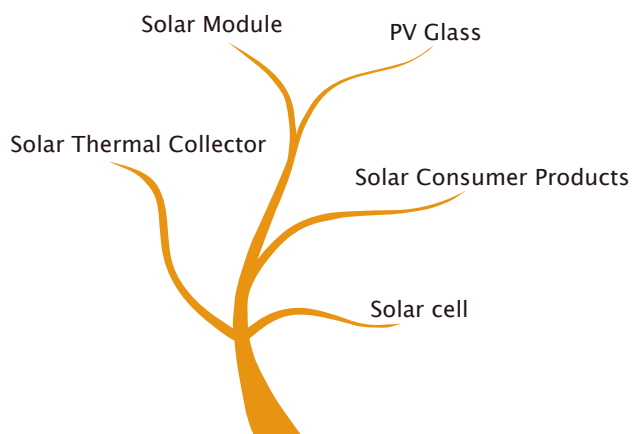


# TPS105S-80W-MONO 80 W MONO Crystalline Solar Module



## Not Your Average Solar Provider

### Our Products Categories



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## Key Feature

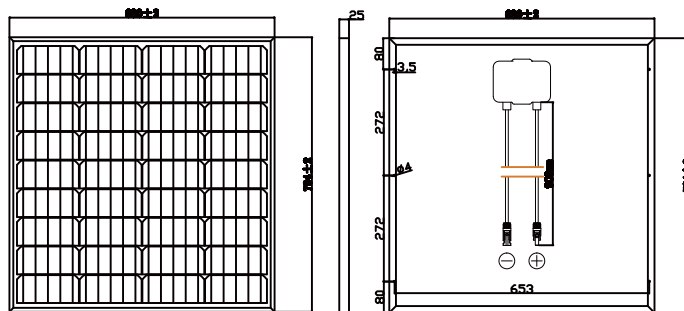
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

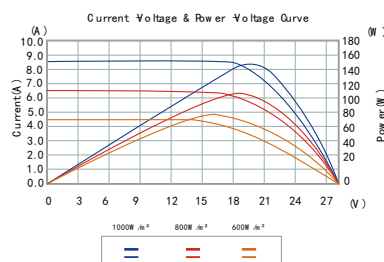
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	680x704x25mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.9m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-60W-MONO
Maximum Power at STC(Pmax)	80W (+/-5%)
Short Circuit Current(Isc)	4.53A
Open Circuit Voltage(Voc)	22.68V
Maximum Power Current(Imp)	4.19A
Maximum Power Voltage(Vmp)	19.08V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



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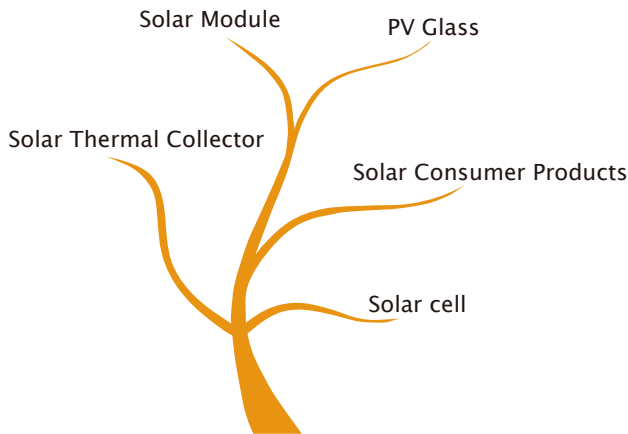


# TPS105S-90W-MONO <sup>90 W</sup> MONO Crystalline Solar Module



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## Key Feature

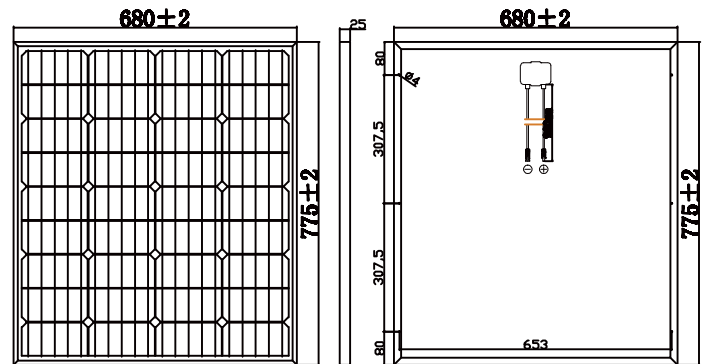
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and “hot spot effect”
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

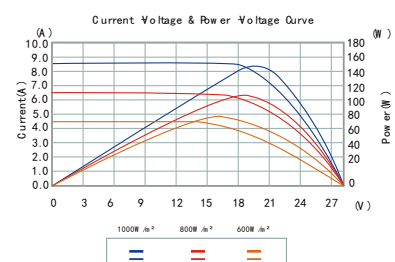
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	680x775x25mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.9m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-90W-MONO
Maximum Power at STC(P <sub>max</sub> )	90W (+/-5%)
Short Circuit Current(I <sub>sc</sub> )	5.10A
Open Circuit Voltage(V <sub>oc</sub> )	22.68V
Maximum Power Current(I <sub>mp</sub> )	4.72A
Maximum Power Voltage(V <sub>mp</sub> )	19.08V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



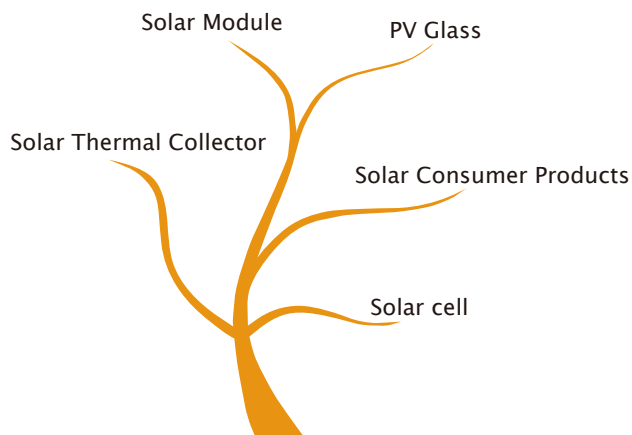
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# TPS105S-100W-MONO 100 W MONO Crystalline Solar Module



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## Key Feature

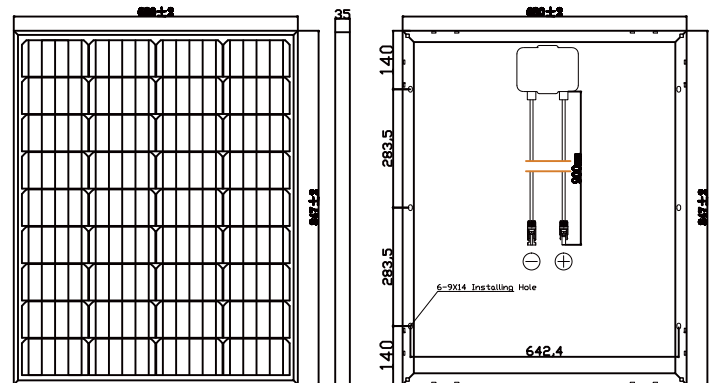
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

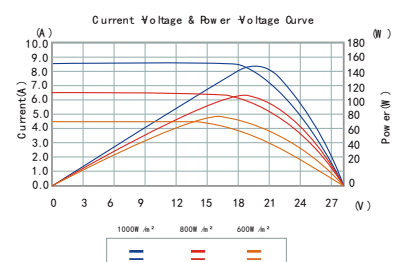
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	680x847x35mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.9m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-100W-MONO
Maximum Power at STC(Pmax)	100W (+/-5%)
Short Circuit Current(Isc)	5.65A
Open Circuit Voltage(Voc)	22.68V
Maximum Power Current(Imp)	5.24A
Maximum Power Voltage(Vmp)	19.08V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



NOTE: READ SAFETY AND INSTALLATION INSTRUCTIONS OR CONTACT THE TECHNICAL SERVICE FOR FURTHER INFORMATION BEFORE USING THE PRODUCT.  
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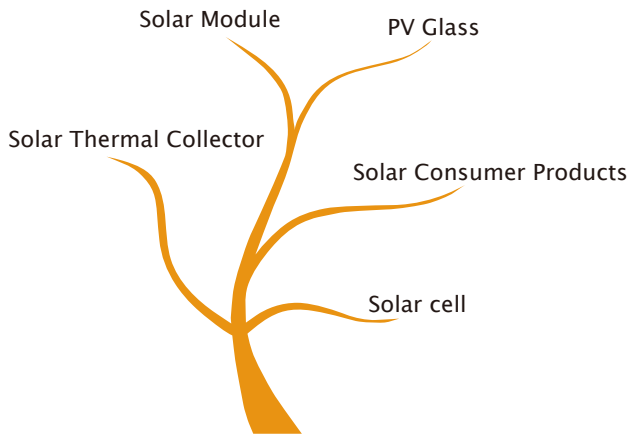
# TPS105S-120W-MONO 120 W

MONO Crystalline Solar Module



## Not Your Average Solar Provider

### Our Products Categories



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## Key Feature

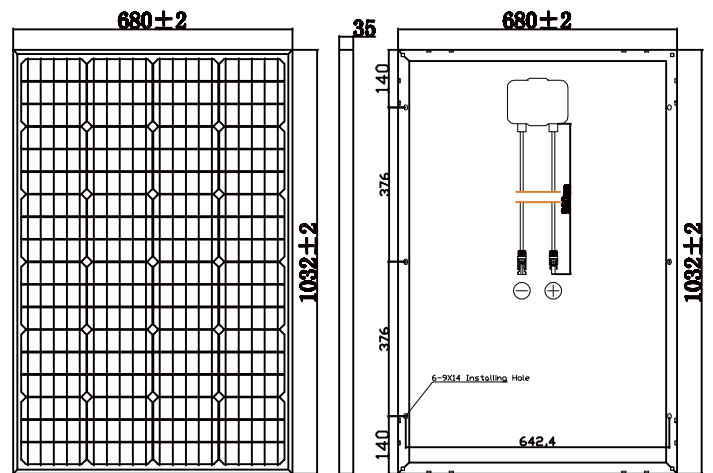
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

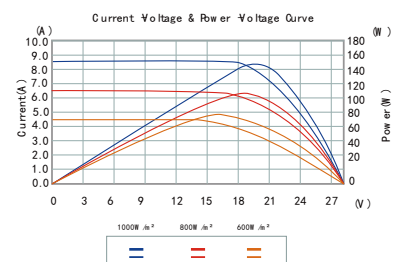
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	680x1032x35mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.9m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-120W-MONO
Maximum Power at STC(Pmax)	120W (+/-5%)
Short Circuit Current(Isc)	6.78A
Open Circuit Voltage(Voc)	22.68V
Maximum Power Current(Imp)	6.29A
Maximum Power Voltage(Vmp)	19.08V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



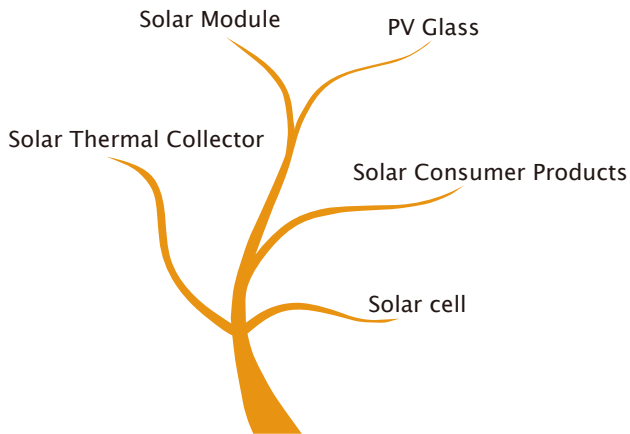
NOTE: READ SAFETY AND INSTALLATION INSTRUCTIONS OR CONTACT THE TECHNICAL SERVICE FOR FURTHER INFORMATION BEFORE USING THE PRODUCT.  
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# TPS105S-145W-MONO 145 W MONO Crystalline Solar Module



## Not Your Average Solar Provider

### Our Products Categories



Professional Solar Provider Since 1992

## Key Feature

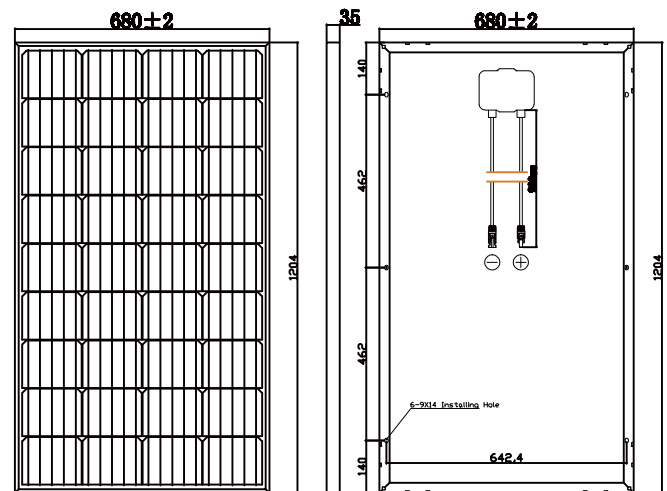
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

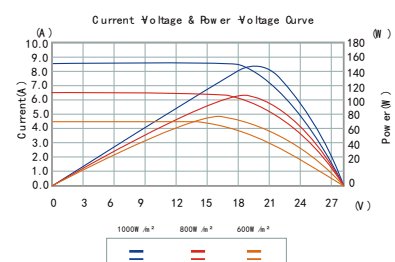
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	680x1204x35mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.9m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-145W-MONO
Maximum Power at STC(Pmax)	145W (+/-5%)
Short Circuit Current(Isc)	8.20A
Open Circuit Voltage(Voc)	22.68V
Maximum Power Current(Imp)	7.60A
Maximum Power Voltage(Vmp)	19.08V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



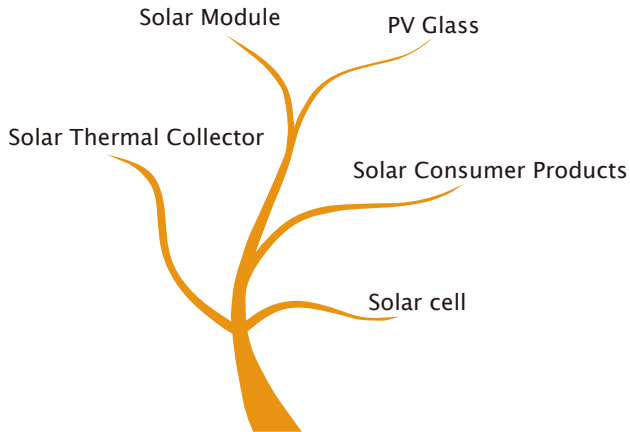
NOTE: READ SAFETY AND INSTALLATION INSTRUCTIONS OR CONTACT THE TECHNICAL SERVICE FOR FURTHER INFORMATION BEFORE USING THE PRODUCT.  
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# TPS105S-180W-MONO 180 W MONO Crystalline Solar Module



## Not Your Average Solar Provider

### Our Products Categories



Professional Solar Provider Since 1992

## Key Feature

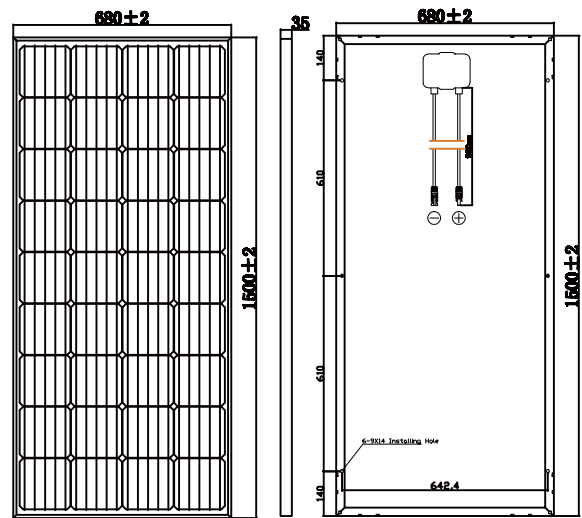
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

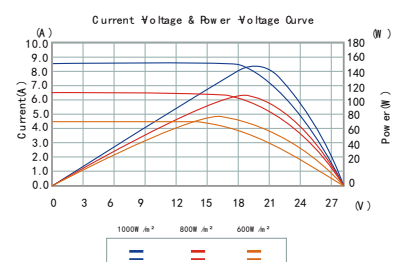
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	36pcs
Dimensions	680x1500x35mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.9m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-180W-MONO
Maximum Power at STC(P <sub>max</sub> )	180W (+/-5%)
Short Circuit Current(I <sub>sc</sub> )	10.17A
Open Circuit Voltage(V <sub>oc</sub> )	22.68V
Maximum Power Current(I <sub>mp</sub> )	7.60A
Maximum Power Voltage(V <sub>mp</sub> )	9.43V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



NOTE: READ SAFETY AND INSTALLATION INSTRUCTIONS OR CONTACT THE TECHNICAL SERVICE FOR FURTHER INFORMATION BEFORE USING THE PRODUCT.  
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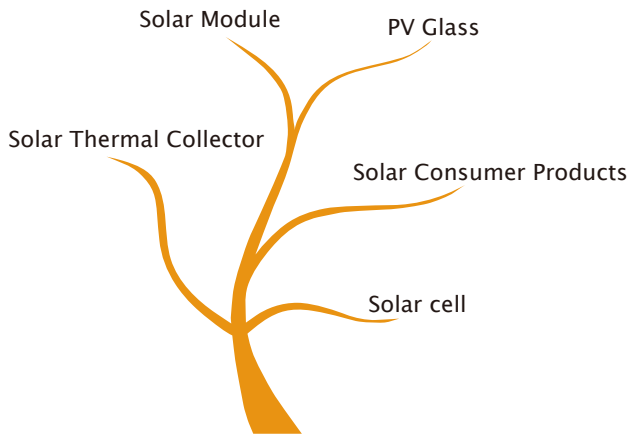
# TPS105S-240W-MONO 240 W

MONO Crystalline Solar Module



## Not Your Average Solar Provider

### Our Products Categories



Professional Solar Provider Since 1992

## Key Feature

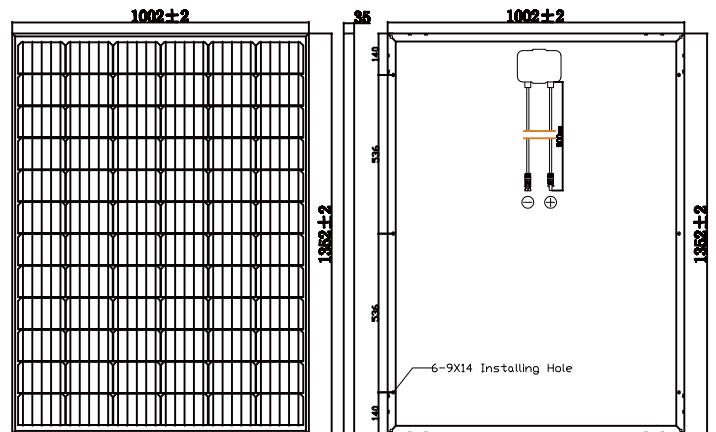
- Plus power tolerance: +3%
- Independent research anti-reflective and self-cleaning glass surface reduces power loss from dirt and dust
- Excellent performance under low light environments, create better kWh/kW ratio and produce average 2-3% more electricity

## Best Quality

- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect"
- 100% EL double-inspection ensures modules are defect free

**Certification**

## Electrical Characteristics



### MECHANICAL SPECIFICATION

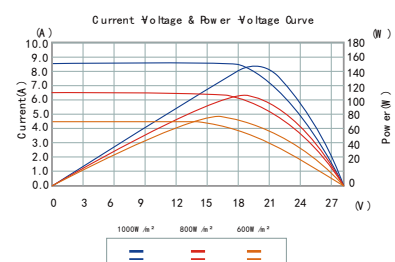
Cell Type	MONO crystalline 158.75*158.75mm
Number of cells	72pcs
Dimensions	1002x1352x35mm
Front Glass	3.2mm Low iron tempered glass
Frame	Anodized aluminum alloy
Connector	MC4 PLUG
Output Cables	Length 0.9m

### PERFORMANCE AT STANDARD TEST CONDITION (STC:1000W/m<sup>2</sup>,25°C,AM1.5)

Module Series	TPS105S-180W-MONO
Maximum Power at STC(Pmax)	240W (+/-5%)
Short Circuit Current(Isc)	6.80A
Open Circuit Voltage(Voc)	45.30V
Maximum Power Current(Imp)	6.30A
Maximum Power Voltage(Vmp)	38.10V

### ABSOLUTE MAXIMUM LIMITS

Parameters	Unit	Rating
Operation temperature	°C	-40 to +85
Storage temperature	°C	-40 to +85



NOTE: READ SAFETY AND INSTALLATION INSTRUCTIONS OR CONTACT THE TECHNICAL SERVICE FOR FURTHER INFORMATION BEFORE USING THE PRODUCT.  
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