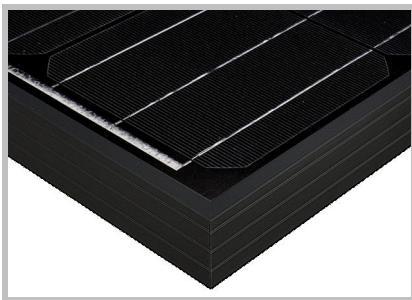




IGNITE THE POWER OF NATURE

# Monocrystalline Module 290Watt

QXPV



## Benefits



Modules sorted by current,  
optimizing system power  
generation



High Efficiency



Stable Power



Low Carbon Emission



Excellent Weather  
Resistance

## Model (SL290TU-36MDBK) Specifications

### Electrical Data

Maximum Power(W)	290
Optimum Power Voltage(Vmp)	38.41
Optimum Operating Current(Imp)	7.55
Open Circuit Voltage(Voc)	45.57
Short Circuit Current(Isc)	8.08
Cell Efficiency (%)	17.70
Module Efficiency (%)	14.95
Tolerance Wattage(%)	0~+3%
NOCT	47°C +/-2°C

### Temperature Coefficients

Temperature Coefficients of Isc(%)°C	+0.04
Temperature Coefficients of Voc(%)°C	-0.35
Temperature Coefficients of Pm(%)°C	-0.45
Temperature Coefficients of Im(%)°C	+0.04
Temperature Coefficients of Vm(%)°C	-0.35

### Components & Mechanical Data

Solar Cell	156*156 Mono
Number of Cell(pcs)	6*12
Size of Module(mm)	1960*990*46
Front Glass Thickness(mm)	4.0
Surface Maximum Load Capacity	2400-5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	26
Junction Box Type	Pass the TUV Certificate
Bypass Diode Rating(A)	12
Cable & Connector Type	Pass the TUV Certificate
Frame(Material Corners,etc.)	46#
Backing (Brand Type)	TPT
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m <sup>2</sup> 25°C

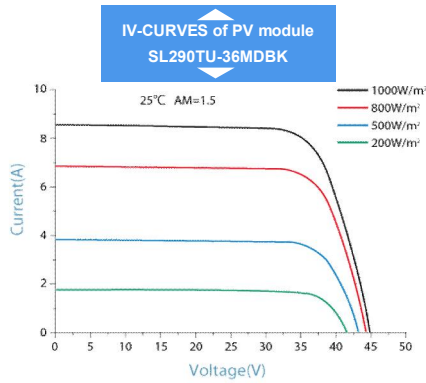
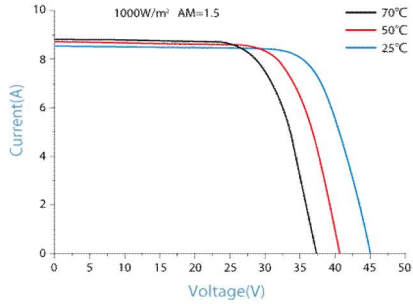




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# Monocrystalline Module 290Watt

## IV-Curves



## Warranty & Certifications

Warranty	25 years limited power warranty
	10 years limited product warranty
Certifications	IEC 61215, IEC 61730

## Packing

Packing	Wooden Box
1*20'	12pallets/244pcs
1*40'HQ	24pallets/564pcs

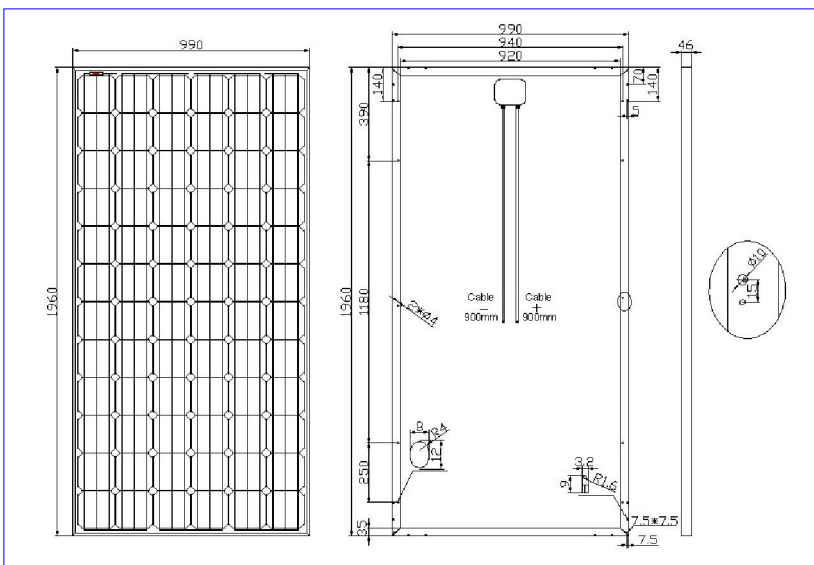
## Applications

- ☐ On-grid residential roof-tops
- ☐ On-grid commercial/industrial roof-tops
- ☐ Solar power stations
- ☐ Other on-grid applications

## Project Picture



## Engineering Drawings



☐ Manufacturing facility certified to **ISO 9001 / ISO 14001 / OHSAS 18001** quality management system standards.

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Specifications included in this datasheet are subject to change without notice.

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