



IGNITE THE POWER OF NATURE

Polycrystalline Module  
280Watt



## Model (RD280P6) Specifications

### Electrical Data

Maximum Power(W)	280
Optimum Power Voltage(Vmp)	31.40
Optimum Operating Current(Imp)	8.92
Open Circuit Voltage(Voc)	37.46
Short Circuit Current(Isc)	9.40
Cell Efficiency (%)	19.56
Module Efficiency (%)	17.21
Tolerance Wattage(%)	0 +3
NOCT	47°C +/-2°C

### Temperature Coefficients

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

### Components & Mechanical Data

Solar Cell	156.75*156.75 Poly
Number of Cell(pcs)	6*10
Size of Module(mm)	1640*992*40
Front Glass Thickness(mm)	3.2
Surface Maximum Load Capacity	2400-5400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	18.6
Junction Box Type	Pass the TUV Certificate
Bypass Diode Rating(A)	15
Cable & Connector Type	Pass the TUV Certificate
Frame(Material Corners,etc.)	40#
Temperature Range	-40°C to +85°C
FF (%)	70-76%
Standard Test Conditions	AM1.5 1000W/m <sup>2</sup> 25°C

### Benefits



Modules sorted by current,  
optimizing system power  
generation



High Efficiency



Stable Power



Low Carbon Emission



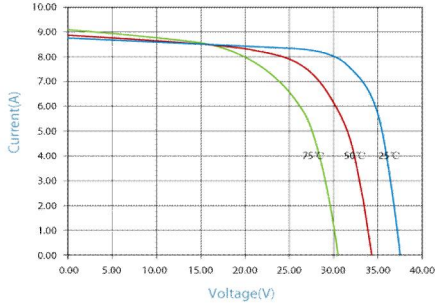
Excellent Weather  
Resistance



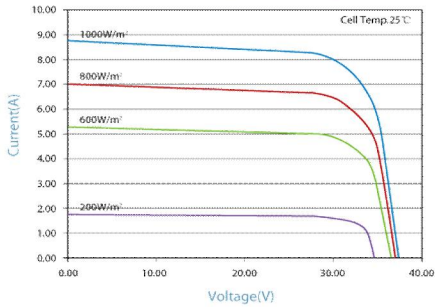
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# Polycrystalline Module 280Watt

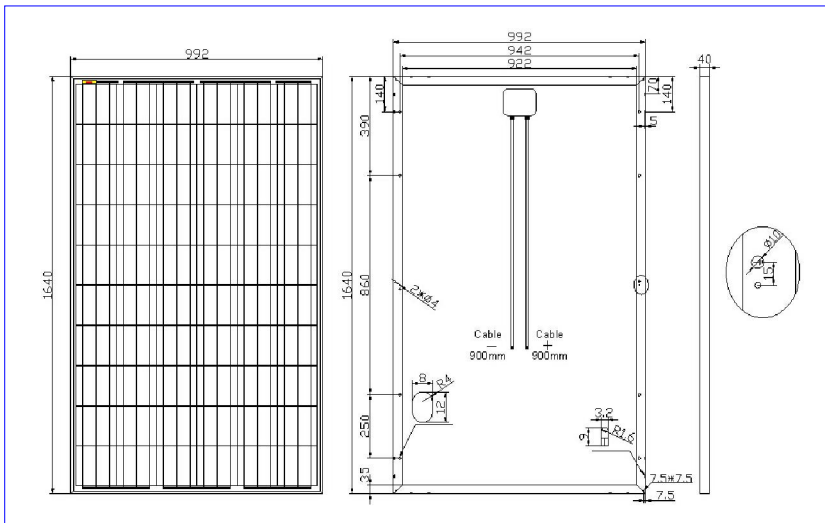
## IV-Curves



IV-CURVES of PV module  
RD280P6



## Engineering Drawings



## Warranty & Certifications

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

## Packing

Packing	Carton Box
1*20'	12Pallets/324pcs
1*40'HQ	28Pallets/756pcs

## Applications

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

## Project Picture



▣ 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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