



Top Performance



Poly Module

72 Cells (156mm × 156mm)

Type: GK280WP156-72P / Power: 240~300W

## Electrical Characteristics at STC\*

Type ( GK280WP156-72P )	240W	250W	260W	270W	280W	290W	300W
Maximum Power (Pmax/W)	240	250	260	270	280	290	300
Open Circuit Voltage (Voc/V)	40.32	41.33	42.48	43.49	43.85	44.42	44.50
Short Circuit Current (Isc/A)	7.98	8.04	8.14	8.27	8.35	8.50	8.69
Maximum Power Voltage (Vmp/V)	32.25	33.55	34.49	35.28	35.87	36.58	36.86
Maximum Power Current (Imp/A)	7.44	7.45	7.54	7.65	7.81	7.93	8.14
Module Efficiency (η%)	12.22	12.88	13.39	13.91	14.42	14.94	15.40

STC: Irradiance 1000W/m<sup>2</sup>; Module temperature 25°C; AM = 1.5

Power measurement tolerance: ± 3%



## Temperature Coefficients

Temperature Coefficients of Pmax	-0.40%/°C
Temperature Coefficients of Voc	-0.38%/°C
Temperature Coefficients of Isc	+0.40%/°C
Normal Operating Cell Temperature	45 ± 2°C

## Permissible Operating Conditions

Maximum system voltage	1000VDC
Operating temperature	-40 °C ~ +85 °C
Maximum snow load	5400Pa
Maximum wind load	120km/h

## Mechanical Characteristics

Cell (mm)	Poly 156 × 156
Number of cells (pcs)	72 (6 × 12)
Weight (kg)	22.5
Dimensions (L×W×H) (mm)	1956 × 992 × 40
Cable cross section size (mm <sup>2</sup> )	4
Output cable length (mm)	900
Frame	Anodized aluminum alloy

## Packing information:

Container loading capacity (20'GP): 200 pieces (10 pallets)

Container loading capacity (40'GP): 396 pieces (22 pallets)

Container loading capacity (40'HQ): 506 pieces (22 pallets)

## Warranty

5 years limited product warranty &amp; 25 years limited power output warranty

Limited product warranty:

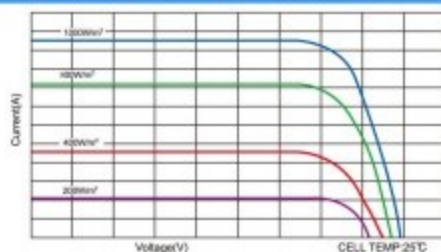
5 years on materials and workmanship

Limited power output warranty:

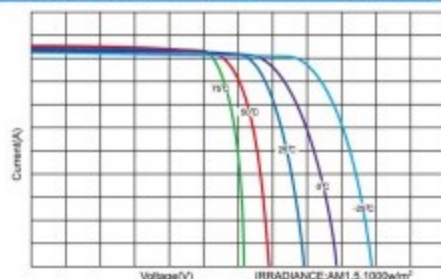
10 years at 90% of the minimal rated power output

25 years at 80% of the minimal rated power output

## I-V Curve Under Different Irradiance



## I-V Curve Under Different Cell Temperatures



## Basic Dimensions

