

**Normal** SERIES

**HG280~300P/Fa**

**Polycrystalline Silicon PV Modules**



**ANTI-PID CHARACTERISTICS**

Ensure large-scale production polycrystalline modules pass PID test



**LOW-LIGHT PERFORMANCE**

High-transmittance glass and surface texturing allows for excellent performance in low-light environments



**LOAD CAPACITY**

Entire module certified to withstand high wind loads(2400 pascal) and snow loads(5400 pascal)



**HARSH ENVIRONMENT ADAPTATION**

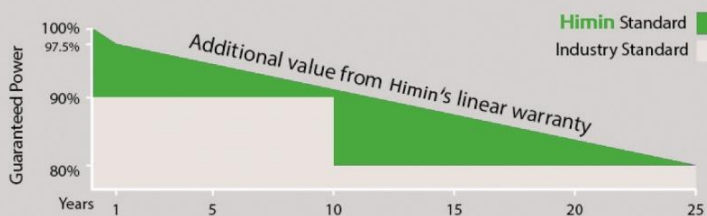
High salt mist and ammonia resistance certified by TUV



**FIREPROOF CAPABILITY**  
TUV certified fire test

**LINEAR PERFORMANCE WARRANTY**

12-year product warranty / 25-year linear power warranty



## Mechanical Data

Cell Type	158.75×158.75mm Poly
Cell Orientation	60(6×10)
Module Dimensions	1665×1002×35mm
Weight	18.8kg
Glass	3.2mm high transmittance, reinforced glass
Backsheet	Anti-aging film
Frame Material	Anodized aluminum alloy
Junction Box	Protection class IP68
Cable	4.0 mm <sup>2</sup> positive pole: 900 mm negative pole: 900 mm wire length can be customized
Connector	MC4 compatible connector

# HG280~300P/Fa

## Polycrystalline Silicon PV Modules

## Electrical Data (STC)

Module Type	HG-280P/Fa	HG-285P/Fa	HG-290P/Fa	HG-295P/Fa	HG-300P/Fa
Peak Power(Pmax/W)	280	285	290	295	300
Maximum Power Voltage(Vmp/V)	31.39	31.63	31.87	32.10	32.33
Maximum Power Current(Imp/A)	8.92	9.01	9.10	9.19	9.28
Open-Circuit Voltage(Voc/V)	38.58	38.86	39.13	39.40	39.67
Short-Circuit Current(Isc/A)	9.45	9.55	9.65	9.75	9.86
Module Efficiency(%)	16.78	17.08	17.38	17.68	17.98

## Electrical Data (NMOT)

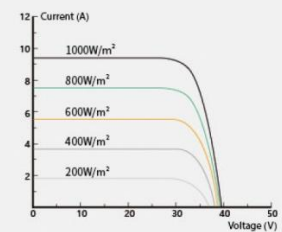
Peak Power(Pmax/W)	208.4	212.1	215.8	219.4	223.2
Maximum Power Voltage(Vmp/V)	29.20	29.43	29.65	29.86	30.08
Maximum Power Current(Imp/A)	7.14	7.21	7.28	7.35	7.42
Open-Circuit Voltage(Voc/V)	36.18	36.44	36.70	36.95	37.21
Short-Circuit Current(Isc/A)	7.62	7.70	7.79	7.87	7.96

STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM1.5

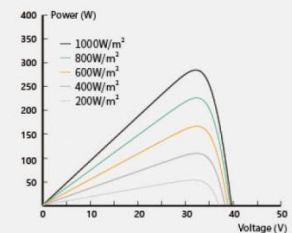
NMOT (Nominal Module Operating Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

## I-V Curve

Current-Voltage Curve(285W)



Power-Voltage Curve(285W)



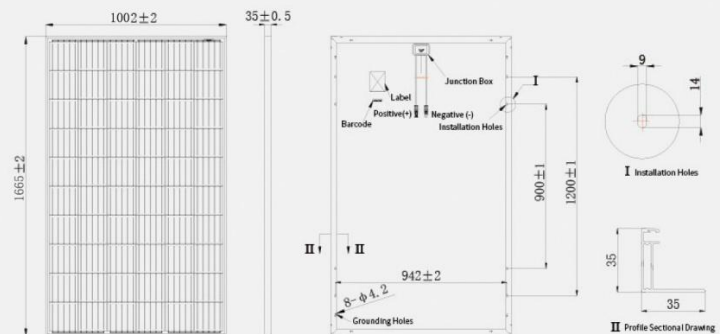
## Temperature Coefficients

Temperature Coefficient (Pm)	-0.390%/°C
Temperature Coefficient (Voc)	-0.290%/°C
Temperature Coefficient (Isc)	0.050%/°C

## Operating Parameters

Maximum System Voltage	1000/1500V
Operating Temperature	-40°C ~+85°C
NMOT (Nominal Module Operating Temperature)	41±3°C

## Module Dimensions (mm)



## Packaging

Modules Per Pallet: 31+31+4 pcs  
Modules Per 40'HQ Container: 924 pcs



Himin Solar Co.,Ltd.  
Himin Clean Energy Holdings Co.,Ltd.  
Shandong Solarway Energy Tech Co.,Ltd.  
Address:Sun-moon mansion,Solar valley road,Dezhou,Shadong,China  
Email:himinguofeng@126.com;info@himin.com