



Normal SERIES

HG310~330S/Da

Monocrystalline 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

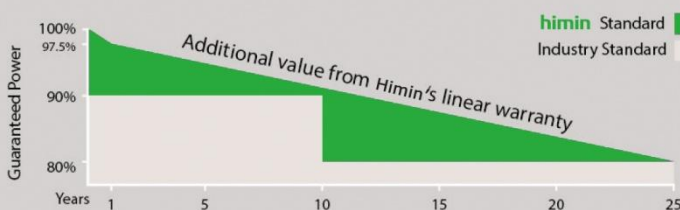
High salt mist and ammonia resistance certified by TUV



FIREPROOF CAPABILITY
TUV certified fire test

LINEAR PERFORMANCE WARRANTY

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



Mechanical Data

Cell Type	158.75x158.75mm Mono
Cell Orientation	60(6x10)
Module Dimensions	1665X1002X35mm
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 ² positive pole: 900 mm negative pole: 900 mm wire length can be customized
Connector	MC4 compatible connector

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Electrical Data (STC)

Module Type	HG-310S/Da	HG-315S/Da	HG-320S/Da	HG-325S/Da	HG-330S/Da
Peak Power(Pmax/W)	310	315	320	325	330
Maximum Power Voltage(Vmp/V)	32.35	33.2	33.4	33.6	33.8
Maximum Power Current(Imp/A)	9.12	9.49	9.58	9.67	9.76
Open-Circuit Voltage(Voc/V)	39.49	40.6	41.0	41.3	41.6
Short-Circuit Current(Isc/A)	9.64	10.05	10.41	10.23	10.30
Module Efficiency(%)	18.58	18.88	19.18	19.48	19.78

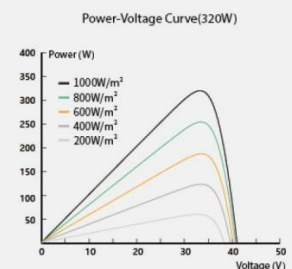
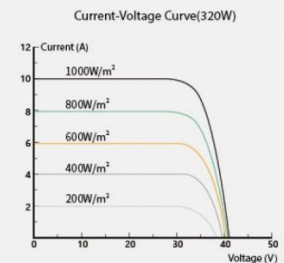
Electrical Data (NMOT)

Peak Power (Pmax/W)	231	235	239	242	246
Maximum Power Voltage (Vmp/V)	30.12	30.41	30.69	30.91	31.11
Maximum Power Current (Imp/A)	7.67	7.73	7.79	7.83	7.91
Open-Circuit Voltage (Voc/V)	37.17	37.5	37.9	38.2	38.5
Short-Circuit Current (Isc/A)	8.07	8.14	8.21	8.28	8.34

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

NMOT (Nominal Module Operating Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s.

I-V Curve



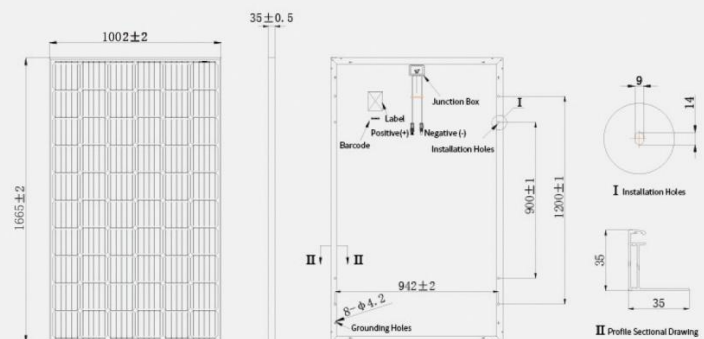
Temperature Coefficients

Temperature Coefficient (Pm)	-0.380%/°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



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