



**Normal** SERIES

# HG295~315S/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**

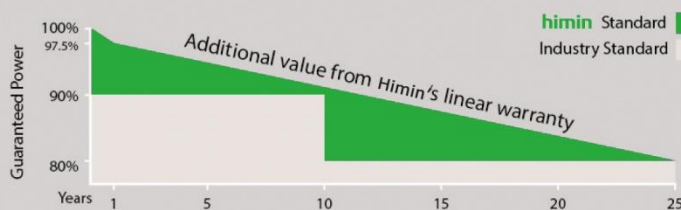
High salt mist and ammonia resistance certified by TUV



**FIREPROOF CAPABILITY**  
TUV certified fire test

### LINEAR PERFORMANCE WARRANTY

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



## Mechanical Data

|                   |   |
|-------------------|---|
| Cell Type         | 156.75×156.75mm Mono  |
| Cell Orientation  | 60(6×10)  |
| Module Dimensions | 1640×992×35mm   |
| Weight            | 18.5kg  |
| 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  |

# HG295~315S/Da

## Monocrystalline Silicon PV Modules

## Electrical Data (STC)

| Module Type                  | HG-295S/Da | HG-300S/Da | HG-305S/Da | HG-310S/Da | HG-315S/Da |
|------------------------------|------------|------------|------------|------------|------------|
| Peak Power(Pmax/W)           | 295        | 300        | 305        | 310        | 315        |
| Maximum Power Voltage(Vmp/V) | 32.35      | 32.65      | 32.91      | 33.25      | 33.55      |
| Maximum Power Current(Imp/A) | 9.12       | 9.20       | 9.27       | 9.33       | 9.39       |
| Open-Circuit Voltage(Voc/V)  | 39.49      | 39.84      | 40.15      | 40.63      | 40.91      |
| Short-Circuit Current(Isc/A) | 9.64       | 9.72       | 9.79       | 9.85       | 9.91       |
| Module Efficiency(%)         | 18.13      | 18.44      | 18.75      | 19.05      | 19.36      |

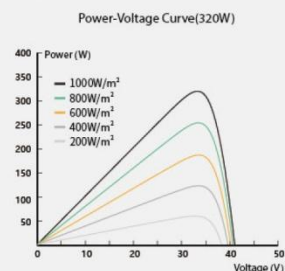
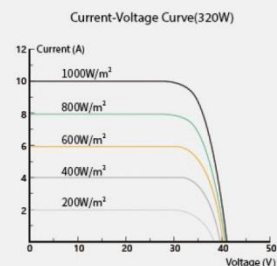
## Electrical Data (NMOT)

| Peak Power(Pmax/W)           | 219   | 222   | 226   | 229   | 232   |
|------------------------------|-------|-------|-------|-------|-------|
| Maximum Power Voltage(Vmp/V) | 29.86 | 30.12 | 30.42 | 30.66 | 30.90 |
| Maximum Power Current(Imp/A) | 7.34  | 7.38  | 7.43  | 7.47  | 7.51  |
| Open-Circuit Voltage(Voc/V)  | 36.91 | 37.21 | 37.62 | 37.85 | 38.13 |
| Short-Circuit Current(Isc/A) | 7.70  | 7.75  | 7.80  | 7.85  | 7.90  |

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



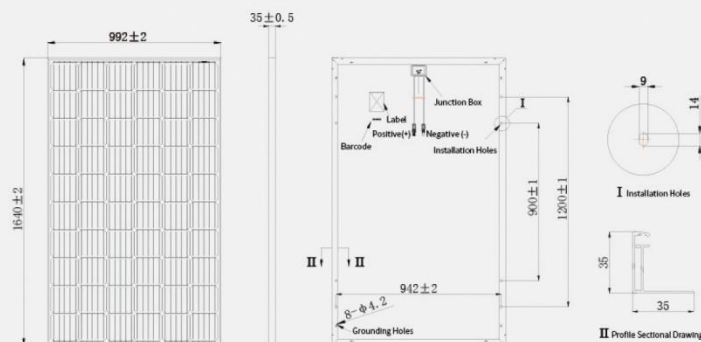
## Temperature Coefficients

|                               |            |
|-------------------------------|------------|
| 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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