



**25**  
**YEARS**  
80% of NPR

**12**  
**YEARS**  
90% of NPR

**12**  
**YEARS**  
PRODUCT WARRANTY



#### CUSTOMIZED

Our rich experience & know-how can support your customized project for BIPV and special modules. Our Team will work close to you to realize your next outstanding design.



#### HIGHEST ROI

Hanover Solar modules are built with the best technology. The highest efficiency and all plus tolerance of our modules will improve your ROI.



#### COMPATIBLE FIS

Our modules are equipped with a special frame compatible with Fast Installation System. FIS will help to reduce installation time and cost.



TÜV Certified Resistance to Salt Spray



TÜV Certified Resistance to PID



TÜV Certified Resistance to Ammonia



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Bundesministerium  
für Wirtschaft  
und Technologie





**POLY**  
**290-330**

**25**  
**Years**

**GUARANTEED**

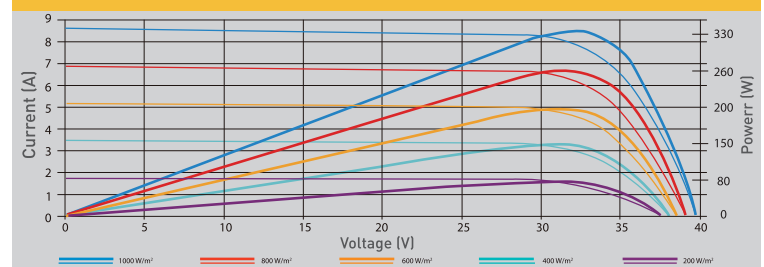
### ELECTRICAL DATA

| Item No.  | Pmax | Vmpp   | Imp   | Voc    | Isc   |
|-----------|------|--------|-------|--------|-------|
| HS330P-36 | 330W | 34.82V | 9.48A | 41.98V | 9.81A |
| HS320P-36 | 320W | 34.01V | 9.41A | 41.55V | 9.77A |
| HS310P-36 | 310W | 33.13V | 9.36A | 40.73V | 9.74A |
| HS300P-36 | 300W | 32.54V | 9.22A | 40.11V | 9.61A |
| HS290P-36 | 290W | 31.98V | 9.07A | 39.58V | 9.46A |

### MECHANICAL CHARACTERISTICS

|                           |                                             |
|---------------------------|---------------------------------------------|
| Solar Cell                | polycrystalline (156 x 156 mm)              |
| Cells Quantity            | 72 (6 x 12)                                 |
| Dimensions                | 1956 x 992 x 40 mm                          |
| Glass                     | 3.2 mm tempered glass                       |
| Frame                     | anodized aluminium alloy                    |
| Junction Box              | TÜV Certified IP68                          |
| Series Fuse Rating        | 20A                                         |
| Maximum System Voltage    | 1500V DC TÜV                                |
| Output Cables             | 1100 mm / 4.0 mm <sup>2</sup>               |
| Test Standard Condition   | AM=1.5 E=1000/m <sup>2</sup> TC=25°C        |
| NOCT                      | 45°C +/- 2°C                                |
| Temperature Coefficients: | Pmax -0.43%/°C; Voc -0.32%/°C; Isc 0.05%/°C |

### I-V CURVE



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POLY

25  
Years

GUARANTEED

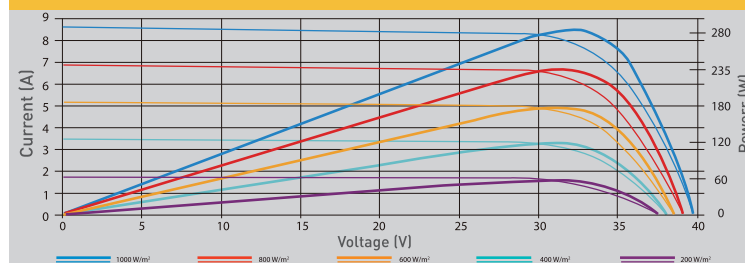
## ELECTRICAL DATA

| Item No.  | Pmax | Vmpp   | Impp  | Voc    | Isc   |
|-----------|------|--------|-------|--------|-------|
| HS280P-30 | 280W | 32.50V | 8.54A | 38.80V | 9.25A |
| HS275P-30 | 275W | 32.30V | 8.50A | 38.50V | 9.17A |
| HS270P-30 | 270W | 32.10V | 8.47A | 38.20V | 9.00A |
| HS265P-30 | 265W | 31.40V | 8.44A | 38.00V | 8.95A |
| HS260P-30 | 260W | 31.00V | 8.40A | 37.80V | 8.85A |

## MECHANICAL CHARACTERISTICS

|                           |                                             |
|---------------------------|---------------------------------------------|
| Solar Cell                | polycrystalline (156 x 156 mm)              |
| Cells Quantity            | 60 (6 x 10)                                 |
| Dimensions                | 1650 x 992 x 40 / 35 mm                     |
| Glass                     | 3.2 mm tempered glass                       |
| Frame                     | anodized aluminium alloy                    |
| Junction Box              | TÜV Certified IP68                          |
| Series Fuse Rating        | 20A                                         |
| Maximum System Voltage    | 1500V DC TÜV                                |
| Output Cables             | 1100 mm / 4.0 mm <sup>2</sup>               |
| Test Standard Condition   | AM=1.5 E=1000/m <sup>2</sup> TC=25°C        |
| NOCT                      | 45°C +/- 2°C                                |
| Temperature Coefficients: | Pmax -0.43%/°C; Voc -0.32%/°C; Isc 0.05%/°C |

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**POLY  
BLACK**

**25  
Years**

**GUARANTEED**

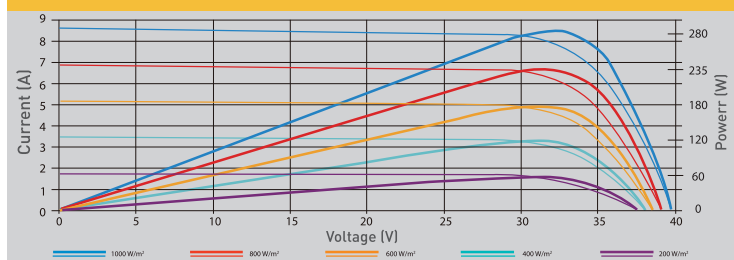
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#### MECHANICAL CHARACTERISTICS

|                           |                                             |
|---------------------------|---------------------------------------------|
| Solar Cell                | polycrystalline (156 x 156 mm)              |
| Cells Quantity            | 60 (6 x 10)                                 |
| Dimensions                | 1650 x 992 x 35 mm                          |
| Glass                     | 3.2 mm tempered glass                       |
| Frame                     | black anodized aluminium alloy              |
| Junction Box              | TÜV Certified IP68                          |
| Series Fuse Rating        | 20A                                         |
| Maximum System Voltage    | 1500V DCTÜV                                 |
| Output Cables             | 900 mm / 4.0 mm <sup>2</sup>                |
| Test Standard Condition   | AM=1.5 E=1000/ m <sup>2</sup> TC=25°C       |
| NOCT                      | 45°C +/- 2°C                                |
| Temperature Coefficients: | Pmax -0.43%/°C; Voc -0.32%/°C; Isc 0.05%/°C |

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