



**HJT**  
**Bifacial**  
**Glass Glass**

**HS400M-60-166GP**

## 400 W HJT Bifacial Glass-Glass Module

N-Type HJT • 120 half-cells • 21.96% module efficiency

**30 YEARS**

PRODUCT WARRANTY

**30 YEARS**

LINEAR POWER  
WARRANTY

### N-TYPE HJT

Technology optimized for lower LCOE

### FIRE CLASS A

Designed for harsh environments

### BIFACIAL

Double-sided generation • 25% power gain\*

### Electrical Characteristics @ STC

|                       |                       |                              |
|-----------------------|-----------------------|------------------------------|
| PMAX<br><b>400 W</b>  | VMP<br><b>38.43 V</b> | IMP<br><b>10.41 A</b>        |
| VOC<br><b>45.45 V</b> | ISC<br><b>11.13 A</b> | MODULE EFF.<br><b>21.96%</b> |

\* STC: irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C, air mass 1.5

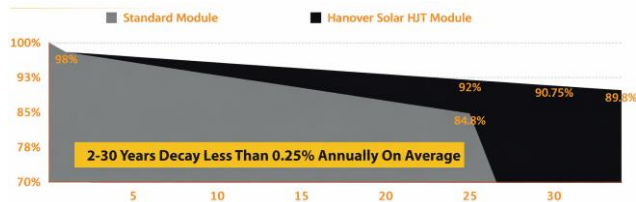
### Integrated Power Characteristics @ STC

|                            |                       |                       |
|----------------------------|-----------------------|-----------------------|
| FRONT REF.<br><b>385 W</b> | PMAX<br><b>480 W</b>  | VMP<br><b>37.76 V</b> |
| IMP<br><b>12.71 A</b>      | VOC<br><b>44.80 V</b> | ISC<br><b>13.65 A</b> |
| POWER GAIN<br><b>25%</b>   |                       |                       |

### Mechanical Characteristics

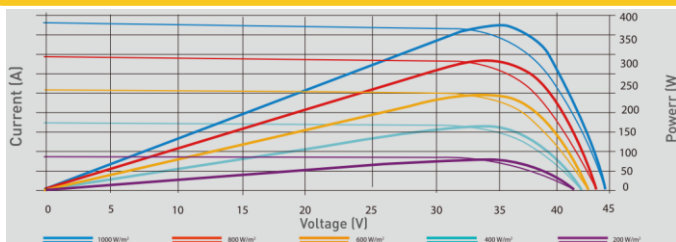
|                          |                                             |
|--------------------------|---------------------------------------------|
| Solar cell quantity      | HJT 166 × 83 mm • 120 pcs (6 × 20)          |
| Dimensions               | 1755 × 1038 × 30 mm                         |
| Glass                    | High Transmission Tempered Glass            |
| Frame                    | Anodized Aluminium Alloy 30 mm              |
| Backsheet                | Transparent Glass                           |
| Junction box             | TÜV Certified IP68                          |
| Series fuse rating       | 20A × 3 diodes                              |
| Maximum system voltage   | 1500V DC                                    |
| Max. wind / snow load    | 2400 / 5400                                 |
| Output cables            | 300 mm / 4.0 mm <sup>2</sup>                |
| Test standard condition  | AM=1.5 • E=1000 W/m <sup>2</sup> • TC=20°C  |
| NOCT                     | 45°C +/- 2°C                                |
| Bifaciality              | 85 +/- 5%                                   |
| Temperature coefficients | Pmax -0.24%/K • Voc -0.22%/K • Isc 0.047%/K |

### 30-Year Linear Power Performance



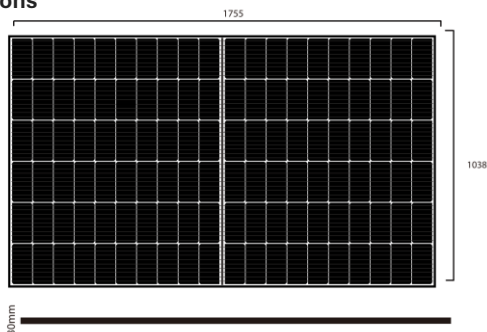
Years 2-30: decay < 0.25% annually on average

### I-V Curve



### Module dimensions

Length : 1755mm  
Width : 1038mm  
Height : 30mm  
Weight : 22,8kg



### Packaging Configuration

|                                   |                             |                         |                            |
|-----------------------------------|-----------------------------|-------------------------|----------------------------|
| 40'HQ CONTAINER<br><b>949 pcs</b> | BIG PALLET<br><b>70 pcs</b> | PALLET<br><b>35 pcs</b> | SMALL PACK<br><b>3 pcs</b> |
|-----------------------------------|-----------------------------|-------------------------|----------------------------|

### HANOVER SOLAR

CAUTION: read the installation instruction before using the product.  
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Warranty: 30-year product + 30-year linear power