

HEBE PV Modules

| | |
|---------|------|
| HSP100W | 100W |
| HSP110W | 110W |
| HSP120W | 120W |
| HSP125W | 125W |
| HSP130W | 130W |
| HSP140W | 140W |

FEATURES

- Low voltage-temperature coefficient enhances high-temperature operation
- Exceptional low-light performance and high sensitivity to light across the entire solar spectrum maximize yearly energy delivery
- 25-year limited warranty on power output, 2-year limited warranty on materials and workmanship

MATERIALS

- Highest quality, high-transmission tempered glass provides enhanced stiffness and impact resistance
- Advanced EVA encapsulation system with multi-layer back sheet meets the most stringent safety requirements for high-voltage operation
- A sturdy, anodized aluminum frame allows modules to be easily roof-mounted with a variety of standard mounting systems
- Ultra reliable bypass diodes prevent damage through overheating due to shaded or defective cells

BENEFITS

- Manufactured in an ISO 9001:2000 certified plant
- High efficiency, high safety, high reliability
- Output power tolerance of +/-3%
- Conformity with CE



HEBE PV Modules

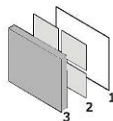
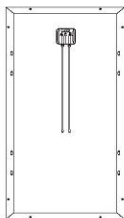
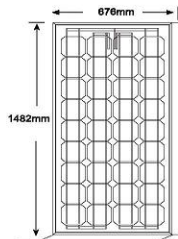
HSP100W, HSP110W, HSP120W, HSP125W, HSP130W, HSP140W

SPECIFICATIONS

| Model type | HSP140W | HSP130W | HSP125W | HSP120W | HSP110W | HSP100W |
|-----------------------------------|--|---------|---------|-------------------|---------|---------|
| Peak power (Pmax) | 140W | 130W | 125W | 120W | 110W | 100W |
| Cell type | Polycrystalline Silicon, 156mm x 156mm | | | | | |
| Number of cells | 36 cells in a series | | | | | |
| Weight | 12.0 kg | | | | | |
| Dimensions | 1482x676x34mm | | | | | |
| Maximum power voltage (Vmp) | 17.60V | 17.60V | 17.40V | 17.40V | 17.20V | 17.10V |
| Maximum power current (Imp) | 7.95A | 7.38A | 7.18A | 6.89A | 6.40A | 5.90A |
| Open circuit voltage (Voc) | 21.96V | 21.96V | 21.80V | 21.80V <td 21.60V | 21.60V | |
| Short circuit current (Isc) | 8.41A | 8.10A | 7.80A | 7.63A | 7.13A | 6.42A |
| Maximum system voltage | 1000V | | | | | |
| Temp. Coeff. of Isc (TK Isc) | 0.058 %/°C | | | | | |
| Temp. Coeff. of Voc (TK Voc) | -0.367 %/°C | | | | | |
| Temp. Coeff. of Pmax (TK Pmax) | -0.485 %/°C | | | | | |
| Normal Operating Cell Temperature | 44.4 °C | | | | | |

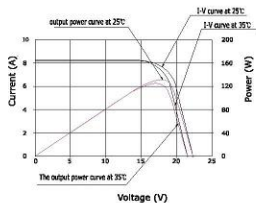
Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25 °C.

PHYSICAL CHARACTERISTICS



- 1] Front: tempered glass
- 2] 36 polycrystalline solar cells
156 mm x 156 mm embedded
in EVA
- 3] Rear: Tedlar foil

Typical IV Curve



Certifications

Conformity with



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