

## HEBE PV Modules

HSP5W	5W
HSP10W	10W
HSP20W	20W
HSP40W	40W

### 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, 3-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  $\pm 4\%$ - $3\%$
- Conformity with CE



# HEBE PV modules

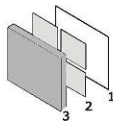
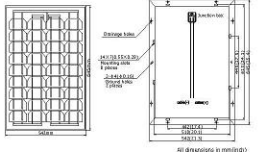
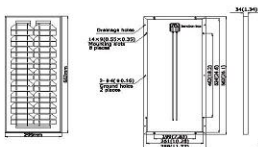
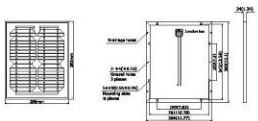
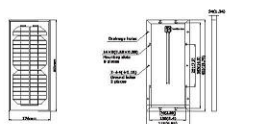
HSP5W HSP10W HSP20W HSP40W

## SPECIFICATIONS

Model type	HSP5W	HSP10W	HSP20W	HSP40W
Peak power (Pmax)	5W	10W	20W	40W
Weight	1.2kg	1.7kg	2.7kg	4.6kg
Dimensions	401 x 176 x 34mm	383 x 299 x 34mm	662 x 299 x 34mm	645 x 542 x 25mm
Maximum power voltage (Vmp)	17.82V			
Maximum power current (Imp)	0.285A	0.57A	1.14A	2.27A
Open circuit voltage (Voc)	21.96V			
Short circuit current (Isc)	0.315A	0.63A	1.27A	2.54A
Maximum system voltage	750V			
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/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25 °C.

## PHYSICAL CHARACTERISTICS



- 1] Front: tempered glass
- 2] monocrystalline solar cells  
125 mm x 125 mm embedded  
in EVA
- 3] Rear: Tedlar foil

## Certifications

Conformity with

