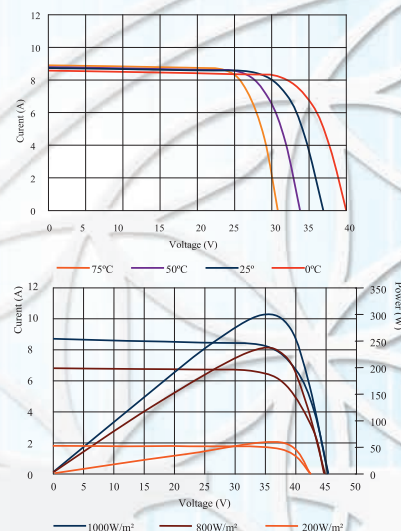
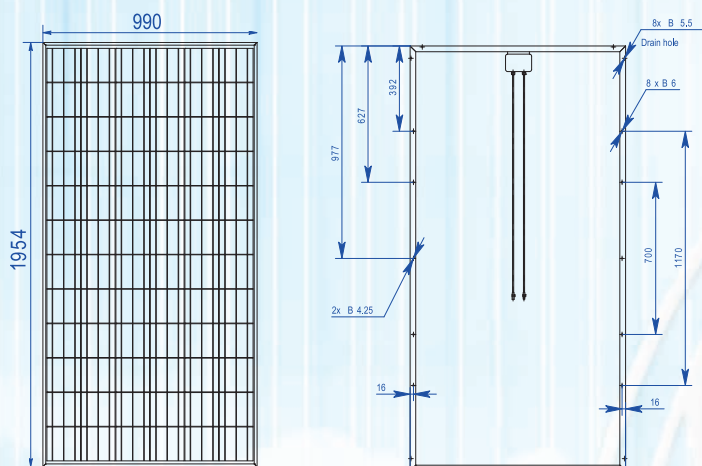


# HS-PB1/290



## Physical Characteristics

Cells per Module	72 Cells (6x12)
Cell Type	Multi-crystalline Silicon
Module Dimension (L x W x H)	1954x990x38 (mm)
Module Weight	21Kg
Frame	Anodized Aluminum (Black frame available by customer order)
Front Glass	4 mm Tempered Glass
Junction Box	IP66/IP65, 4mm <sup>2</sup>
Cable Length(+/-)	1000mm

## Electrical Characteristics

Item	Unit	HS-PB1/290
Max. Power (Pmax)	W	290
Open circuit voltage (Voc)	V	44,80
Short circuit current (Isc)	A	8,60
Max. Power voltage (Vmp)	V	36,00
Max. Power current (Imp)	A	8,06
Module efficiency	%	14,99
Power tolerance	W	0~+4,99

\*STC (Standard Test Condition): 1000W/m<sup>2</sup>, AM 1.5, 25°C

## Permissible operating conditions

Temperature range	-40 to +85 °C
Maximum system voltage	1,000V DC(IEC), 600V DC(UL)
Maximum surface load cap	5,400Pa
Maximum hailstone impact (diameter / velocity)	25mm / 23m/s

\*NOCT (Nominal Operating Cell Temperature): 800W/m<sup>2</sup>, 20°C, wind speed 1m/s

## Thermal Characteristics

	Rating	Unit	Value
	NOCT	°C	47±2
Temperature coefficient	I <sub>SC</sub>	%/°C	+ 0,05
	V <sub>OC</sub>	%/°C	- 0,32
	P <sub>MAX</sub>	%/°C	- 0,42

## Packing Specifications

Packing box dimension (L x W x H)	1980 x 800 x 1150 (mm)
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