



**HAVELLS**

**enviro**  
HARNESSING LIGHT. HARVESTING ENERGY.

# HAVELLS ENVIRO SOLAR PV MODULE

Mono PERC Module 550 Wp  
Model : - Enviro-STCPM-550

## Key Features

- ▶ **Higher Power Output**  
Module efficiency up to 21.5% achieved through advanced cell technology and manufacturing process.
- ▶ **Lower operating temperature**  
Lower operating temperature and temperature coefficient increases the power output.
- ▶ **Extended wind and snow load tests**  
Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) \*
- ▶ **Excellent weak light performance**  
More power output in weak light condition, such as cloudy, morning and sunset
- ▶ **Withstanding harsh environment**  
Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline



\*Performance warranty

## ELECTRICAL CHARACTERISTICS

Module Type	Enviro-STCPM-550	
Testing Condition	STC	NMOT
Maximum Power (Pmax/W)	550	415
Optimum Operating Voltage (Vmp/V)	42.05	38.9
Optimum Operating Current (Imp/A)	13.08	10.67
Open Circuit Voltage (Voc/V)	49.88	46.9
Short Circuit Current (Isc/A)	14.01	11.22
Module Efficiency (%)	21.3	-

STC : Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5;

NMOT : Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s;  
Tolerance of Pmax is within +/- 3%;

## MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon 182 mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35 mm (89.7 × 44.6 × 1.4 inches)
Weight	27.5 kgs (60.6 lbs.)
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm <sup>2</sup> , (-) 350 mm (+) 160 mm in length or customized length
Junction Box	IP68 rated ( 3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	25 A
Power Tolerance	0/ +5 W

For tracker installation, please turn to Suntech for mechanical load information.

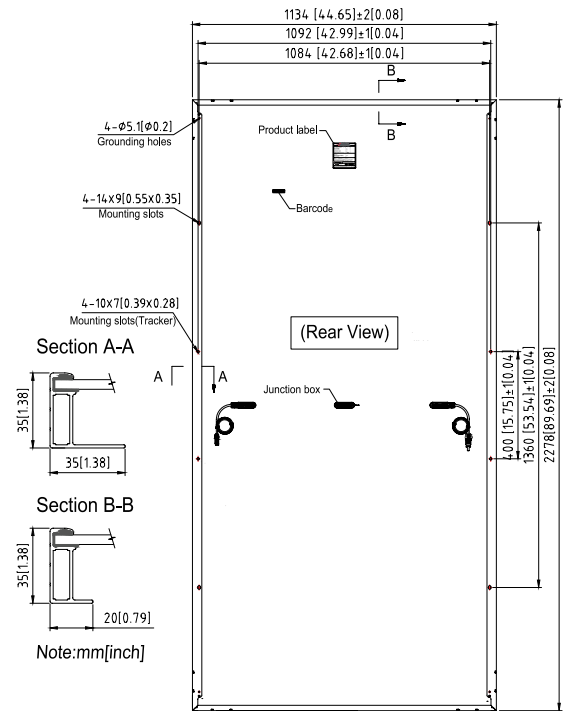
## TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.050%/°C

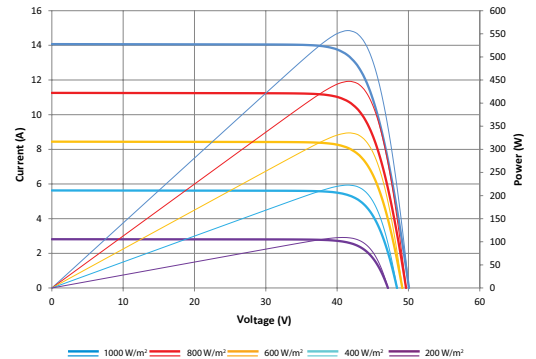
## PACKING CONFIGURATION

Container	40 ' HC
Pieces per pallet	31
Pallets per container	20
Pieces per container	620
Packaging box dimensions	2310×1120×1255 mm
Packaging box weight	902 kg

## Dimensions of PV Module



## Graphs : Enviro-STCPM-550



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