

# Specification Home Energy Solar Module

240 Wp Polycrystalline



Home Energy International



## Specification for polycrystalline PV Module (HE 60 20 010 )

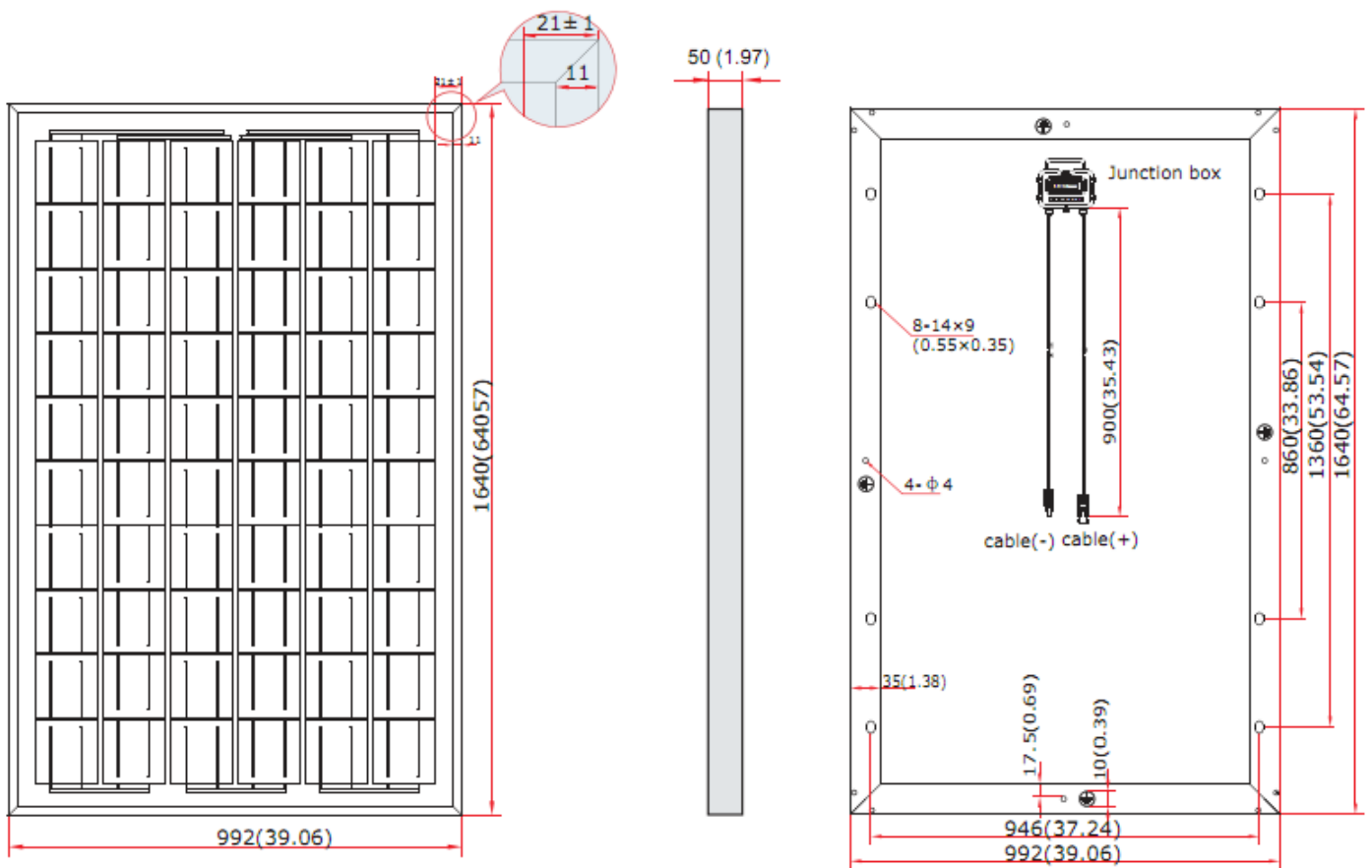
Tested under Standard Conditions (STC = 1000 w/m<sup>2</sup> irradiance, 25°C cell temperature; AM1.5)

Module type	HE SP 240	
Peak Power	240	W
Cell efficiency	16.94	%
Module efficiency	14.75	%
Open Circuit Voltage (V <sub>oc</sub> )	36.50	V
Short Circuit Current (I <sub>sc</sub> )	8.50	A
Max. Power Voltage (V <sub>mp</sub> )	29.40	V
Max. Power Current (I <sub>mp</sub> )	8.16	A
Maximum System Voltage	1000	V
Power tolerance	-1 to + 3%	
Normal Operating Cell Temperature	45.3 ± 2	°C
Series fuse rating (A)	15	A
Number of bypass diodes	3	

Mechanical specifications		
Cell dimensions	156 x 156	Mm
Number of cells	60	
Cell type	Polycrystalline	
Module dimensions	1640 x 992 x 50	mm
Max module load	5400	Pa

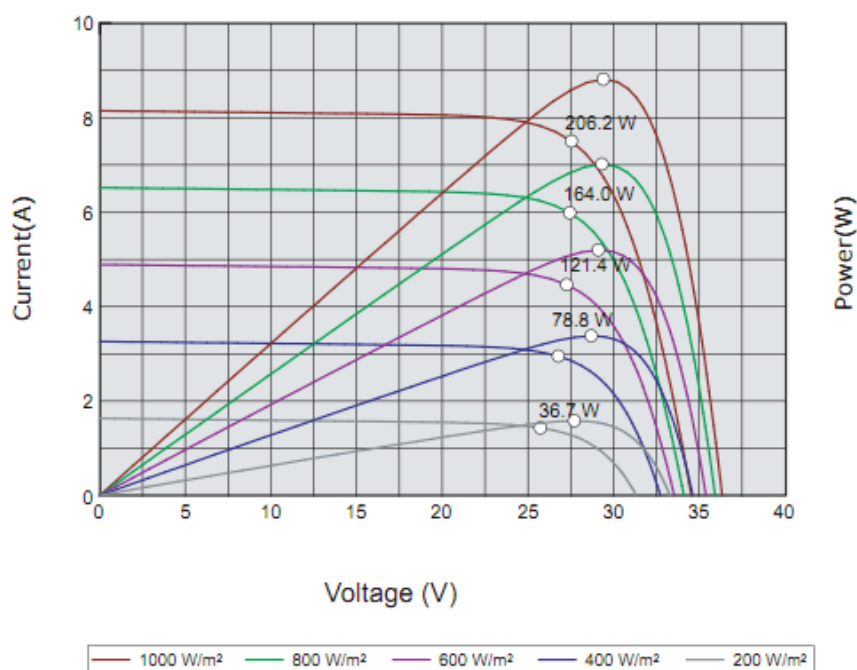
Temperature coefficients		
Temp. Coeff. Of I <sub>sc</sub> (TK I <sub>sc</sub> )	0.065	% / °C
Temp. Coeff. Of V <sub>oc</sub> (TK V <sub>oc</sub> )	-0.346	% / °C
Temp. Coeff. Of P <sub>max</sub> (TK P <sub>max</sub> )	-0.46	% / °C

# Physical dimensions

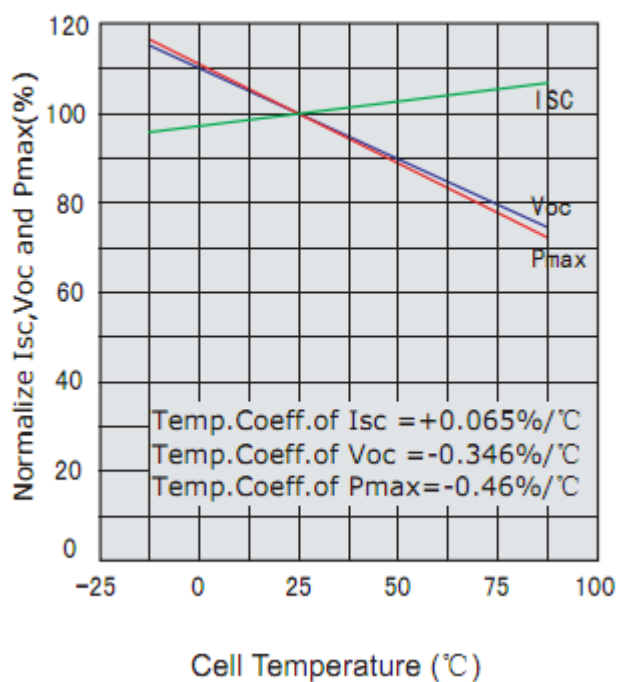


## Electrical characteristics

Electrical performance  
(cell temperature: 25°C)



Temperature dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax (cell temperature: 25°C)

