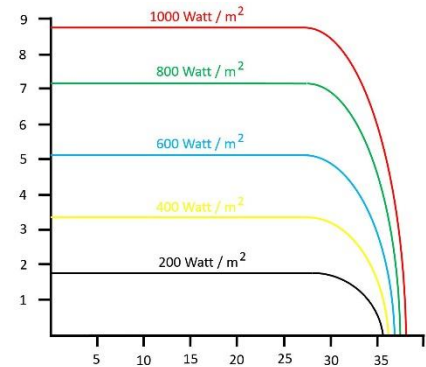
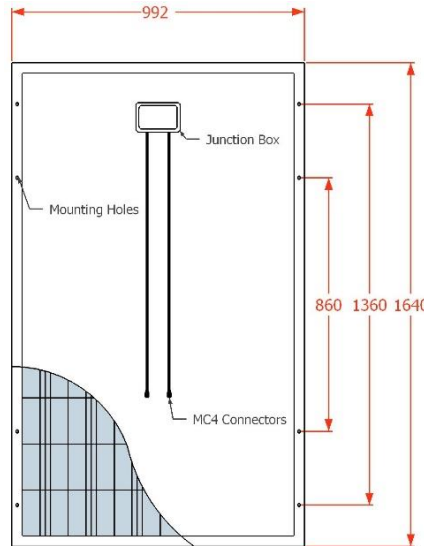
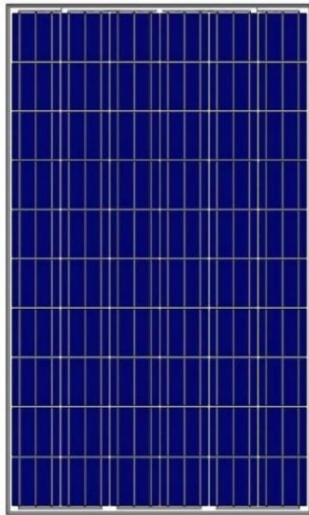


# Polycrystalline Photo Voltaic Module 235 – 275



IV - Curve

## Electrical Characteristics

Module Power		STP235	STP240	STP245	STP250	STP255	STP260	STP265	STP270	STP275
Maximum Module Power	P <sub>max</sub>	235	240	245	250	255	260	265	270	275
Maximum Power Voltage	V <sub>mp</sub>	30.1V	30.2V	30.3V	30.4V	30.5V	30.6V	30.7V	30.8V	30.9V
Maximum Power Current	I <sub>mp</sub>	7.81A	7.95A	8.09A	8.22A	8.36A	8.50A	8.63A	8.77A	8.90A
Open Circuit Voltage	V <sub>oc</sub>	36.1V	36.2V	36.4V	36.5V	37.5A	37.6V	37.8V	37.9V	38.0V
Short Circuit Current	I <sub>sc</sub>	8.75A	8.90A	9.06A	9.21A	8.95A	9.09A	9.24A	9.38A	9.52A
Maximum Efficiency		14.44%	14.75%	15.05%	15.35%	15.67%	15.98%	16.29%	16.6%	16.9%
Maximum System Voltage		1000VDC								
Power Tolerance		+/- 0-3%								
Operating Temperature		- 40 °C +85 °C								
Standard Test Conditions (STC)		Irradiance 1000 Watt / m <sup>2</sup> Cell Temperature 25 °C AM 1.5								

## Mechanical Characteristics

Cell Type	Polycrystalline Cell 156 mm x 156 mm
Number of Cells	60 pieces (6 x 10)
Dimensions	1640 x 992 x 40 mm
Weight	18.3 Kg
Frame	Anodized Aluminum Alloy
Front Glass	Tempered Glass
Back Cover	TPT
Encapsulant	EVA

## Temperature Characteristics

NOTC Nominal Operational Cell Temperature	47 °C +/- 2 °C
Temperature Coefficient of P <sub>max</sub>	- 0,45% / °C
Temperature Coefficient of V <sub>oc</sub>	- 0,35% / °C
Temperature Coefficient of I <sub>sc</sub>	0,05% / °C



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