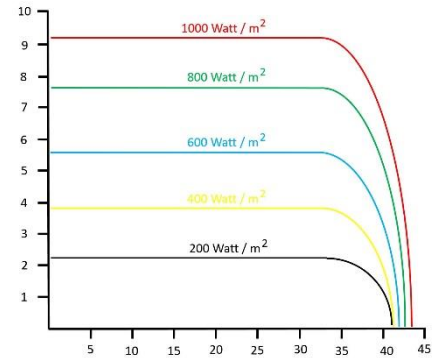
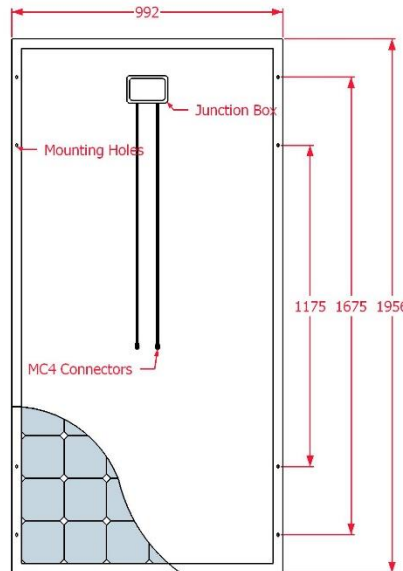


# Monocrystalline Photo Voltaic Module 280 – 330



IV - Curve

## Electrical Characteristics

	STP280	STP285	STP290	STP295	STP300	STP330
Module Power	280	285	290	295	300	330
Maximum Module Power P <sub>max</sub>	280	285	290	295	300	330
Maximum Power Voltage V <sub>mp</sub>	35.9V	36.4V	36.9V	37.2V	37.6V	36.8V
Maximum Power Current I <sub>mp</sub>	7.73A	7.83A	7.86A	7.93A	7.98A	8.97A
Open Circuit Voltage V <sub>oc</sub>	44.2V	44.4V	44.8V	45.0V	45.3V	45.26V
Short Circuit Current I <sub>sc</sub>	8.32A	8.38A	8.42A	8.48A	8.52A	9.60A
Maximum Efficiency	14.43%	14.59%	14.95%	15.20%	15.46%	17.1%
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	Monocrystalline Cell 156 mm x 156 mm
Number of Cells	72 pieces (6 x 12)
Dimensions	1956 x 992 x 40 mm
Weight	21.0 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



[www.surya-tek.net](http://www.surya-tek.net)

[mkt.suryatek@gmail.com](mailto:mkt.suryatek@gmail.com)

P : +62 31 51161496

M : +62 8564 5279818