



# IECS-6P6A-275

## Poly-Crystalline Module

100% Made in Taiwan

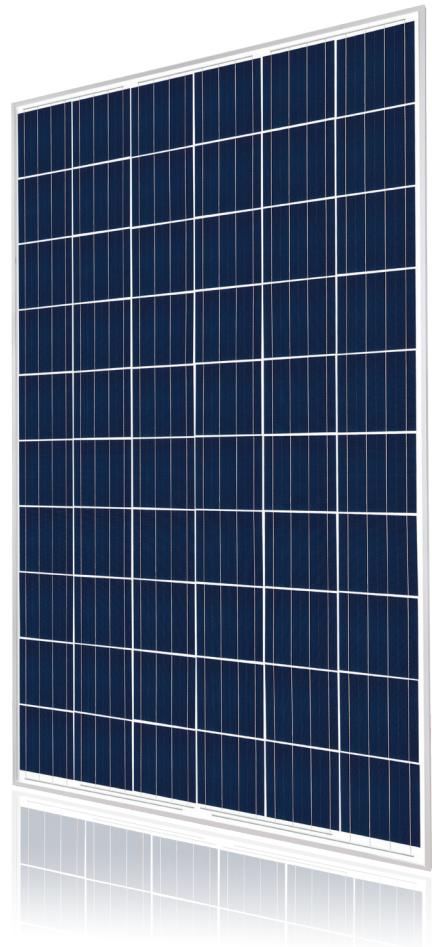
**+5** **High Stability**  
Positive Tolerance Up To +5W

**25** **25 Years True Linear Warranty**  
25-year: minimum 80% power output  
10-year: minimum 90% power output

**Snow** **High Snow and Wind Load**  
Higher Strength with Wind and Snow Loads Up To 5400pa

**PID Free** **PID Free**  
85% Relative Humidity / 60 C Temperature / 96 Hrs

**Extra TEST** **Environment & Reliability Test**  
Salt Mist Corrosion Test IEC61701  
Ammonia Corrosion Test IEC62716



# IECS-6P6A-275 Poly-Crystalline Module

## Electrical Characteristics (STC)

STC (Standard Test Conditions): 1,000 W/m<sup>2</sup>, (25 ± 2)°C, AM 1.5 in accordance with EN 60904-3

Capacity Rating	P <sub>max</sub>	275W	270W	265W	260W	255W
Module Efficiency	%	16.9%	16.6%	16.3%	16.0%	15.7%
Maximum Power Voltage	V <sub>mpp</sub>	31.93	31.59	31.26	30.94	30.60
Maximum Power Current	I <sub>mpp</sub>	8.62	8.55	8.48	8.41	8.34
Open Circuit Voltage	V <sub>oc</sub>	39.42	39.15	38.88	38.60	38.31
Short Circuit Current	I <sub>sc</sub>	9.04	8.97	8.89	8.81	8.72
Maximum Reverse Current	I <sub>R</sub> /A	15 A	15 A	15 A	15 A	15 A
Maximum System Voltage	V				1000 V	

## Electrical Characteristics (NOCT)

NOCT (Normal Operating Cell Temperature): 800 W/m<sup>2</sup>, NOCT, AM 1.5

Capacity Rating	P <sub>max</sub>	202.82W	199.03W	195.42W	191.77W	188.08W
Maximum Power Voltage	V <sub>mpp</sub>	29.49	29.17	28.87	28.57	28.26
Maximum Power Current	I <sub>mpp</sub>	6.88	6.83	6.77	6.71	6.66
Open Circuit Voltage	V <sub>oc</sub>	36.37	36.12	35.87	35.61	35.35
Short Circuit Current	I <sub>sc</sub>	7.31	7.25	7.19	7.12	7.05

## Temperature coefficients

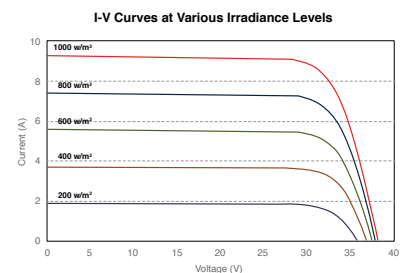
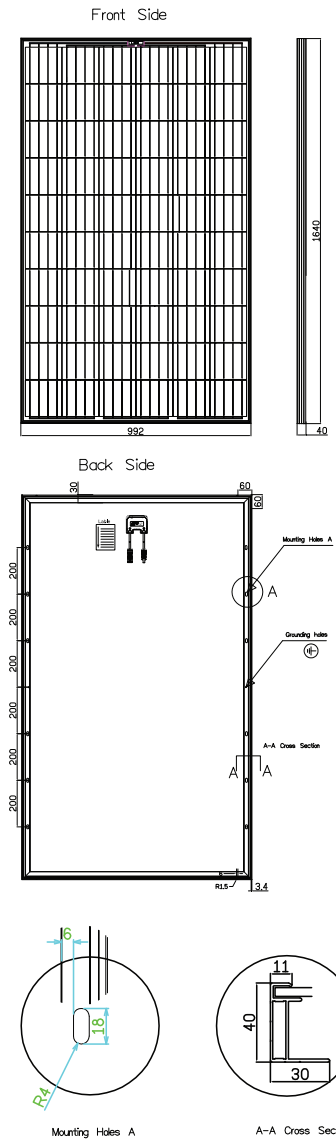
Temperature of Coeff. Of V <sub>oc</sub>	-0.32%/°C
Temperature of Coeff. Of I <sub>sc</sub>	+0.05%/°C
Temperature of Coeff. Of P <sub>max</sub>	-0.39%/°C

## Working Conditions

Temperature range	-40°C to + 85°C
NOCT	47°C±2°C
Maximum Series Fuse	15A
Maximum surface load capacity	Tested up to 5,400 Pa according to IEC 61215
Resistance against hail	Maximum diameter of 25mm with impact speed of 83km/hr
Wind Resistance	Positive & Negative Wind Pressure of 5400Pa
Grounding conductivity	<0.01Ω
Application class	Class A according to IEC 61730
Insulation Resistance	>100MΩ

## Mechanical Characteristics

Dimensions (L x W x D)	1640 x 992 x 40 mm
Weight	18.9 Kg
Junction box	1 junction box with 3 bypass diodes
Cable	Solar cable, length 1,000 mm, 4 mm <sup>2</sup> , prefabricated with MC4-combinable plug
Application class	A (according to IEC 61730)
Front glass	Low-Fe High Transparent toughened safety glass, 3.2 mm
Solar cells	6x10 cells, poly-crystalline Si (156 x 156 mm)
Cell encapsulation	EVA (Ethylene Vinyl Acetate)
Back side	Composite film
Frame	Anodized Aluminum Frame with double-wall profile and drainage holes
Connect Type	MC4 Compatible



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