



# IECS-6P6A-270

## Poly-Crystalline Module

100% Made in Taiwan



### High Stability

Positive Tolerance Up To +5W



### 25 Years True Linear Warranty

25-year: minimum 80% power output  
10-year: minimum 90% power output



### High Snow and Wind Load

Higher Strength with Wind and Snow Loads Up To 5400pa



### PID Free

85% Relative Humidity / 60 C Temperature / 96Hrs



### Environment & Reliability Test

Salt Mist Corrosion Test IEC61701  
Ammonia Corrosion Test IEC62716



# IECS-6P6A-270 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	Pmax	275W	270W	265W	260W	255W
Module Efficiency	%	16.80%	16.50%	16.20%	15.90%	15.60%
Maximun Power Voltage	Vmpp	31.93	31.59	31.26	30.94	30.60
Maximun Power Current	Impp	8.62	8.55	8.48	8.41	8.34
Open Circuit Voltage	Voc	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	Pmax	199.40W	195.7W	192.1W	188.5W	184.9W
Maximun Power Voltage	Vmpp	29.01	28.70	28.41	28.11	27.81
Maximun Power Current	Impp	6.88	6.82	6.77	6.71	6.65
Open Circuit Voltage	Voc	36.13	35.88	35.63	35.37	35.11
Short Circuit Current	I <sub>sc</sub>	7.34	7.28	7.22	7.15	7.08

## Temperature coefficients

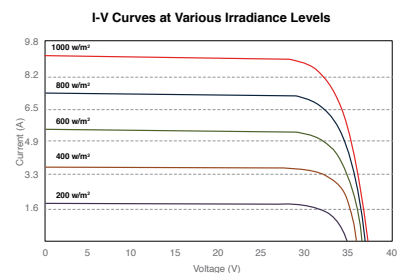
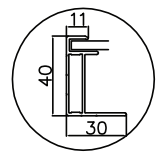
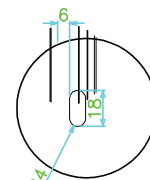
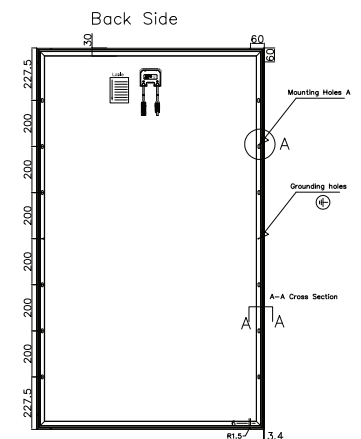
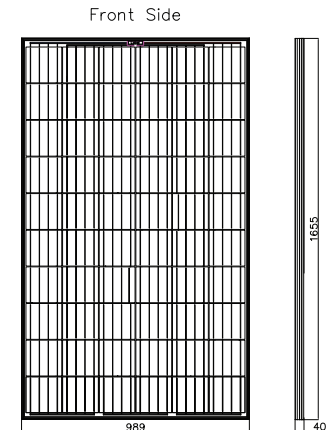
Temperature of Coeff. Of Voc	-0.35%/°C
Temperature of Coeff. Of Isc	+0.07%/°C
Temperature of Coeff. Of Pmax	-0.46%/°C

## 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)	1655 x 989 x 40 mm
Weight	19 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
Front glass	3.2mm low iron, tempered, high transparent anti-reflective coating glass
Solar cells	60(6x10) cells polycrystalline (156 x156 mm)
Frame	Anodized Aluminum Frame with double-wall profile and drainage holes
Connect Type	MC4 Compatible



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