



**Dong Ying FUDA Solar Power Co.,LTD**  
**High-Tech.Development Zone, Dongying City,**  
**Shandong Province 257000, P. R. China**

<b>Standard Product Specification</b> (72 Cell Poly Crystalline 156×156mm Solar Photovoltaic Module, 1000V System Voltage)	<b>Product Name</b>	<b>Crystalline Solar Photovoltaic Module</b>
	<b>Document Name</b>	<b>Product Specification:FUDA-250P to 270P</b>
	<b>Document Number</b>	<b>FUDA-PS-M-S0005</b>
	<b>Revision Number &amp; Date</b>	<b>A, October 2008</b>

### Typical Electrical Characteristics

Model Number	UOM	FUDA-250P	FUDA-260P	FUDA-270P
Rated Maximum Power-Pmax	Wp	250	260	270
Power Tolerance	%	±3	±3	±3
Maximum Power Voltage-Vmp	V	35.8	36.2	36.6
Maximum Power Current-Imp	A	7.00	7.20	7.40
Open Circuit Voltage-Voc	V	43.4	43.8	44.2
Short Circuit Current-Isc	A	7.60	7.80	8.00
Maximum System Voltage-VDC	V	1000		
Encapsulated Solar Cell Efficiency-ηc	%	14.3	14.8	15.4
Module Efficiency-ηm	%	12.8	13.3	13.9
Solar Cell and Configuration		72 cells (156mm x 156mm) in a 6x12 matrix connected in series		
Solar Cell Technology & Size	mm	Poly Crystalline 156*156		
Cable Type, Diameter		4mm (12AWG), TÜV Certified		
Type of Connector		Multi-Contact Type-IV		
Junction Box		IP65, 1000VDC, TUV & UL Certified		
Number of Bypass Diodes & Type		3 Nos, Schottky By-pass diodes		
Maximum Series Fuse Rating	A	14		
Temperature coefficient of Power	%/ °C	- 0.45		
Temperature coefficient of Voc	%/ °C	- 0.35		
Temperature coefficient of Isc	%/ °C	0.05		
Nominal Operating Cell Temperature-NOCT	°C	45±2		
Standard Test Conditions	STC	STC:AM=1.5, 1000W/m <sup>2</sup> , Cells Temperature 25°C		
Operating Temperature	°C	-40~+85		
Product Certifications		IEC 61215, IEC 61730 & CE		

### Mechanical & Packaging Characteristics

Dimension A*B*C	mm	1965*992*50
Installation Hole Dimension E*F	mm	1177*941
Cable Length G	mm	1000
Weight	Kg	25
Number of Draining Holes in the Frame		8
Construction		Superstrate: High transmission 3.2mm tempered low iron glass; Substrate: White Back Sheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminum alloy type 6063T5; Color: silver
Packing Configuration and Quantity per Pallet		19 pcs per carton and One carton per pallet
Container Loading Capacity		418pcs per 40ft High Cubic Container; 95pcs per 20ft Container

<b>Prepared by:</b>	<b>Approved by :</b>
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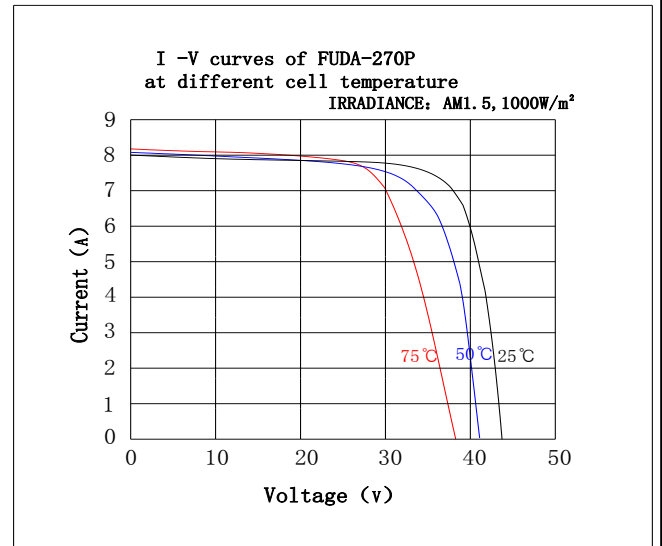
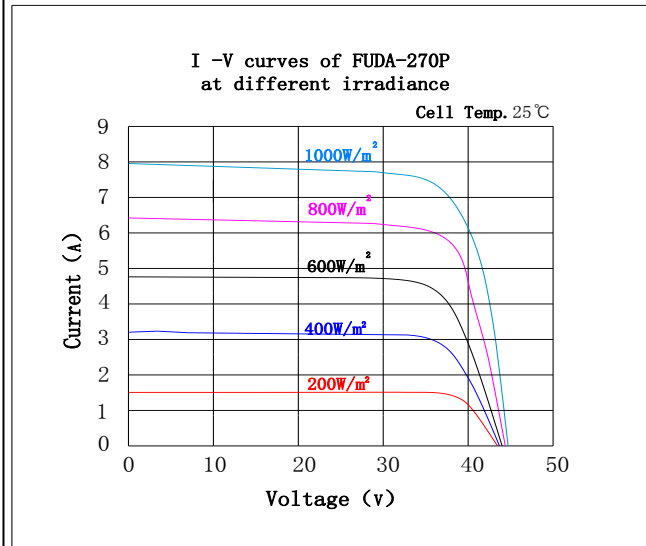


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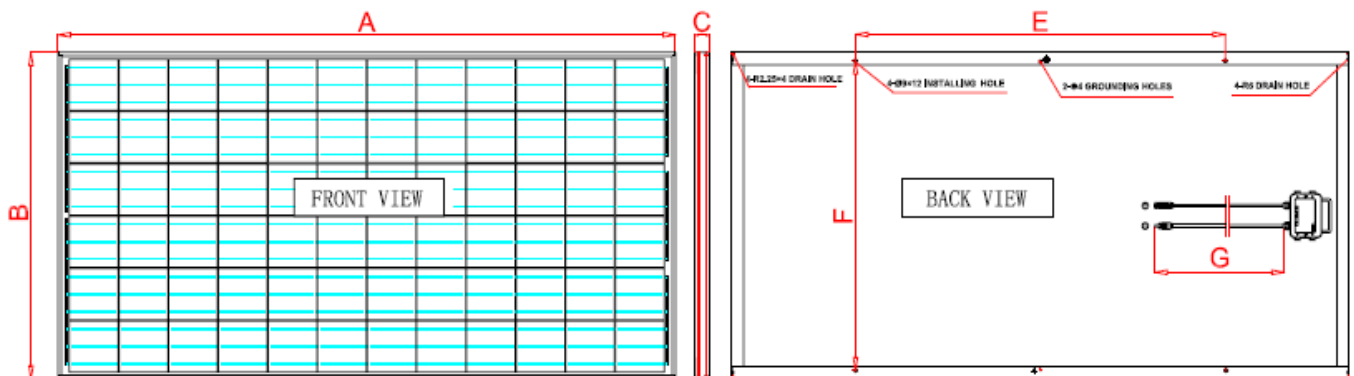
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**I-V Characteristics at different Irradiances & Temperatures**



**Dimensional Characteristics**



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