



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

Product Specification (36 Cell Mono Crystalline 125×125mm Solar Photovoltaic Module, 1000V System Voltage)	Product Name	Crystalline Solar Photovoltaic Module
	Document Name	Product Specification:FUDA-75M to 95M
	Document Number	FUDA-PS-M-0014
	Revision Number & Date	A, September 2010

Typical Electrical Characteristics

Model Number	UOM	FUDA-75M	FUDA-80M	FUDA-85M	FUDA-90M	FUDA-95M
Rated Maximum Power-Pmax	Wp	75	80	85	90	95
Power Tolerance	%	±5	±5	±5	±5	±5
Maximum Power Voltage-Vmp	V	17.4	17.6	17.9	18.3	18.8
Maximum Power Current-Imp	A	4.31	4.55	4.76	4.92	5.06
Open Circuit Voltage-Voc	V	21.2	21.5	21.9	22.2	22.5
Short Circuit Current-Isc	A	5.05	5.15	5.25	5.30	5.35
Maximum System Voltage-VDC	V	715				
Encapsulated Solar Cell Efficiency-η c	%	14.0	15.0	15.9	16.8	17.04
Module Efficiency-η m	%	11.4	12.2	13.0	13.7	14.7
Solar Cell and Configuration		36 cells (125mm x 125mm) in a 4x9 matrix connected in series				
Solar Cell Technology & Size	mm	Mono Crystalline 125*125				
Junction Box		IP65, 1000VDC, TUV Certified				
Number of Bypass Diodes & Type		2 Nos, Schottky By-pass diodes				
Maximum Series Fuse Rating	A	9				
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	47±2				
Standard Test Conditions	STC	STC:AM=1.5, 1000W/m ² , Cells Temperature 25 °C				
Operating Temperature	°C	-40~+85				
Product Certifications		IEC 61215, IEC 61730 & CE				

Mechanical & Packaging Characteristics

Dimension A*B*C	mm	1195*550*35
Installation Hole Dimension E*F	mm	735*520
Weight	Kg	7.5
Number of Draining Holes in the Frame		8
Construction		Super Strate: High transmission 3.2mm tempered low iron glass; Substrate: White or Black or Transparent Back sheet; Encapsulant: Fast Cure EVA
Frame		Clear anodized aluminum alloy type 6063T5; Color: Silver or Black
Packing Configuration and Quantity per Pallet		27 pcs per carton and One carton per pallet
Container Loading Capacity		1458pcs per 40ft Container , 648pcs per 20ft Container

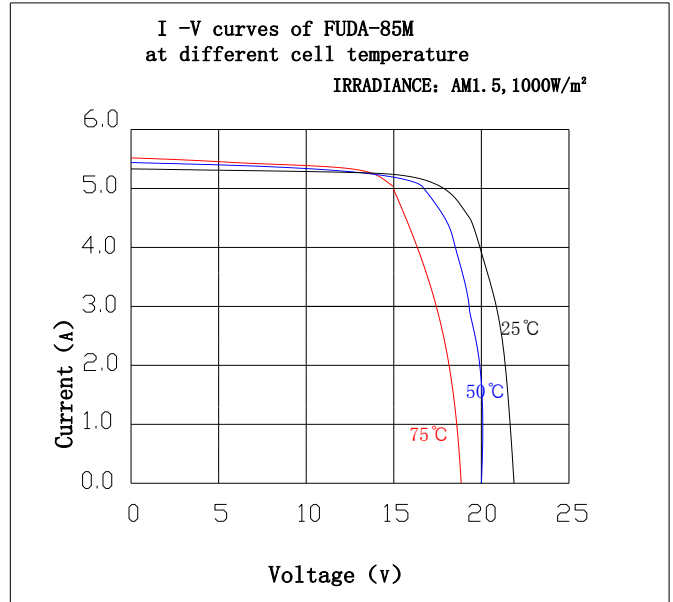
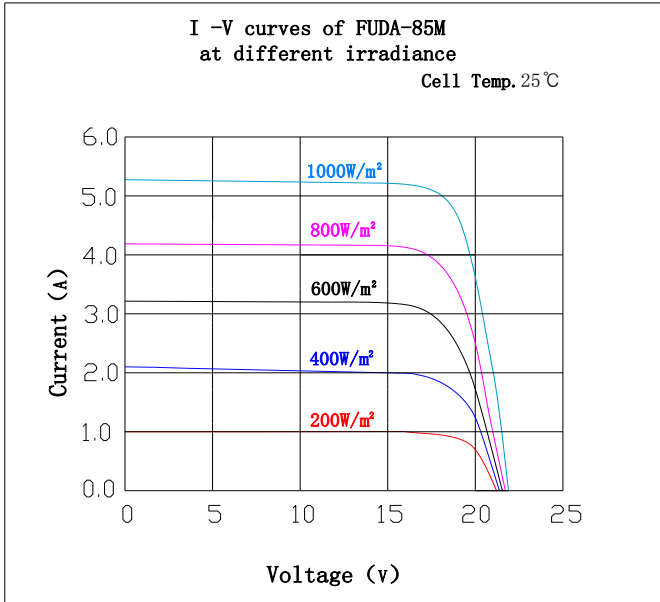
Prepared by: _____ **Approved by :** _____

I-V Characteristics at different Irradiances & Temperatures

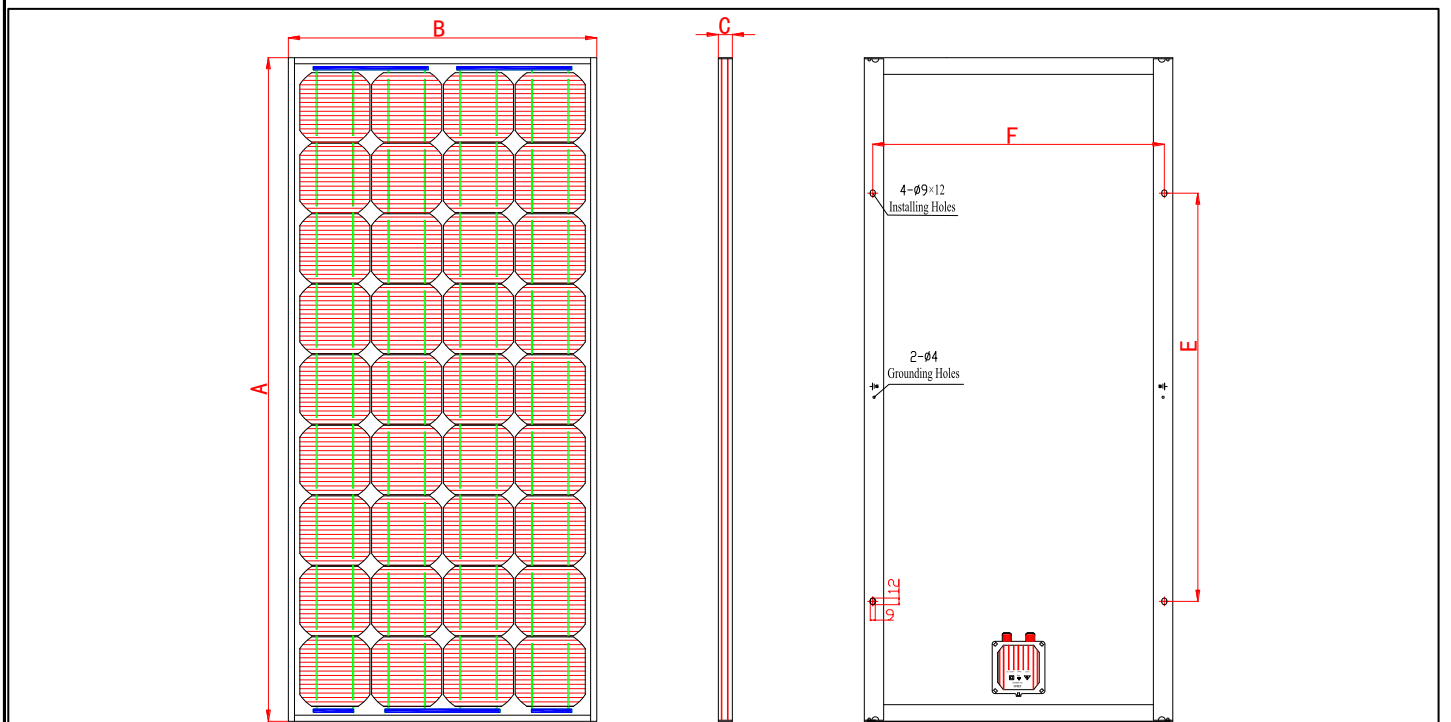


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Dimensional Characteristics



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