



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 156×156mm Solar Photovoltaic Module, 1000V System Voltage)	Product Name	Crystalline Solar Photovoltaic Module
	Document Name	Product Specification:FUDA-125M to 145M
	Document Number	FUDA-PS-M-S0012
	Revision Number & Date	A, September 2010

Typical Electrical Characteristics

Model Number	UOM	FUDA-125M	FUDA-130M	FUDA-135M	FUDA-140M	FUDA-145M
Rated Maximum Power-Pmax	Wp	125	130	135	140	145
Power Tolerance	%	±3	±3	±3	±3	±3
Maximum Power Voltage-Vmp	V	17.8	18.0	18.2	18.4	18.6
Maximum Power Current-Imp	A	7.05	7.20	7.40	7.60	7.80
Open Circuit Voltage-Voc	V	21.5	21.7	21.9	22.1	22.3
Short Circuit Current-Isc	A	7.60	7.80	8.00	8.20	8.40
Maximum System Voltage-VDC	V	715				
Encapsulated Solar Cell Efficiency-ηc	%	14.7	15.3	15.9	16.4	17.0
Module Efficiency-ηm	%	12.4	12.9	13.4	13.9	14.4
Solar Cell and Configuration		36 cells (156mm x 156mm) in a 4x9 matrix connected in series				
Solar Cell Technology & Size	mm	Mono Crystalline 156*156				
Junction Box		IP65, 1000VDC, TUV & UL Certified				
Number of Bypass Diodes & Type		2 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 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	1474*674*35
Installation Hole Dimension E*F	mm	923*625
Weight	Kg	10
Number of Draining Holes in the Frame		8
Construction		Superstrate: High transmission 3.2mm tempered low iron glass; Substrate: White or Black 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		756pcs per 40ft Container

Prepared by:	Approved by :
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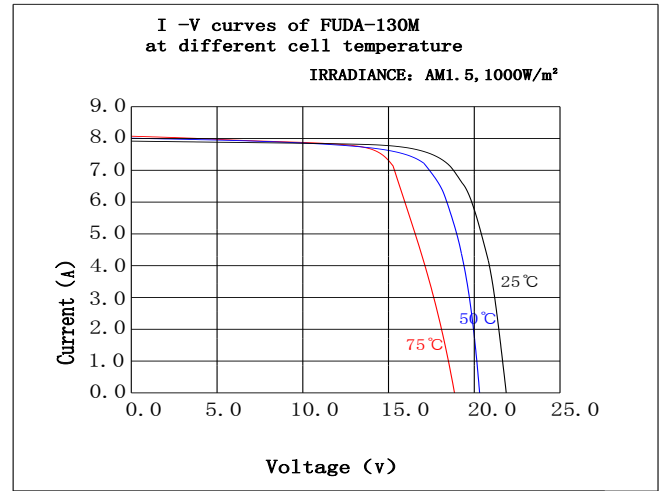
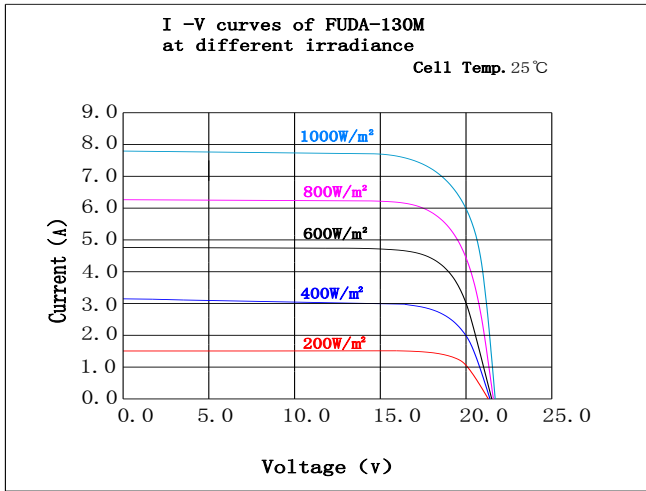
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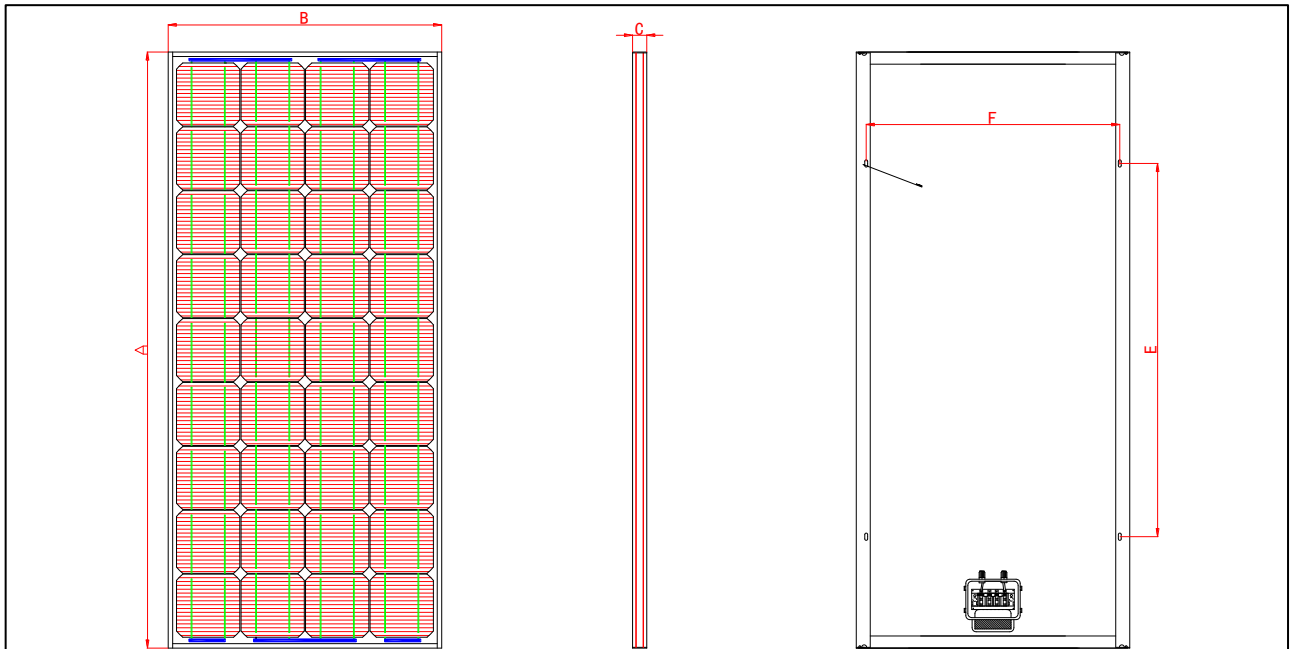
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I-V Characteristics at different Irradiances & Temperatures



Dimensional Characteristics



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