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Product Specification (36 Cell Poly Crystalline 156×156mm Solar Photovoltaic Module, 1000V System Voltage)	Product Name	Crystalline Solar Photovoltaic Module
	Document Name	Product Specification:FUDA-120P to 140P
	Document Number	FUDA-PS-M-S0013
	Revision Number & Date	A, April 2009

Typical Electrical Characteristics

Model Number	UOM	FUDA-120P	FUDA-125P	FUDA-130P	FUDA-135P	FUDA-140P
Rated Maximum Power-Pmax	Wp	120	125	130	135	140
Power Tolerance	%	±3	±3	±3	±3	±3
Maximum Power Voltage-Vmp	V	17.6	17.9	18.1	18.2	18.4
Maximum Power Current-Imp	A	6.80	7.00	7.20	7.40	7.60
Open Circuit Voltage-Voc	V	21.5	21.8	22.0	22.1	22.3
Short Circuit Current-Isc	A	7.60	7.70	7.80	8.00	8.20
Maximum System Voltage-VDC	V	715				
Encapsulated Solar Cell Efficiency-ηc	%	13.7	14.3	14.8	15.4	16.0
Module Efficiency-ηm	%	11.9	12.4	12.9	13.4	13.9
Solar Cell and Configuration		36 cells (156mm x 156mm) in a 4x9 matrix connected in series				
Solar Cell Technology & Size	mm	Poly 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	%/℃	- 0.45				
Temperature coefficient of Voc	%/℃	- 0.35				
Temperature coefficient of Isc	%/℃	0.05				
Nominal Operating Cell Temperature-NOCT	℃	45±2				
Standard Test Conditions	STC	STC:AM=1.5, 1000W/m ² , Cells Temperature 25℃				
Operating Temperature	℃	-40~+85				
Product Certifications		IEC 61215, IEC 61730 & CE				

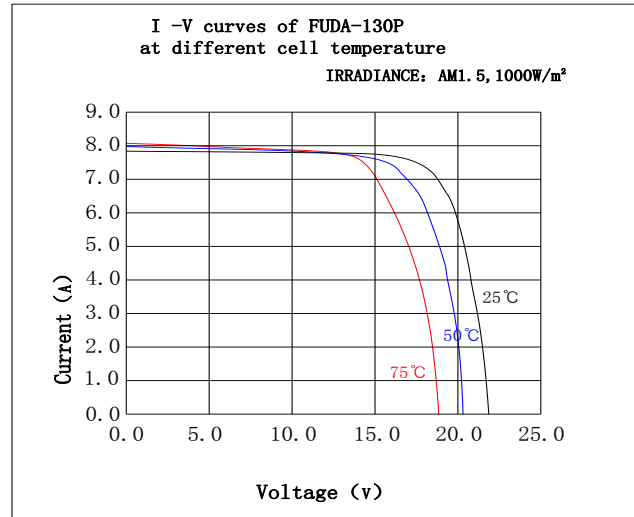
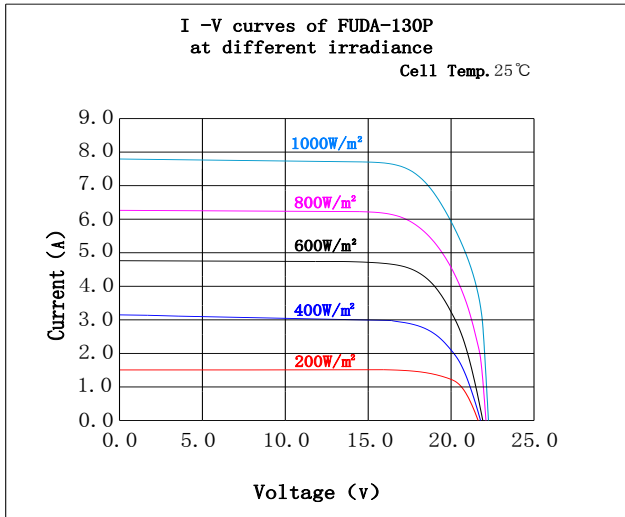
Mechanical & Packaging Characteristics

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

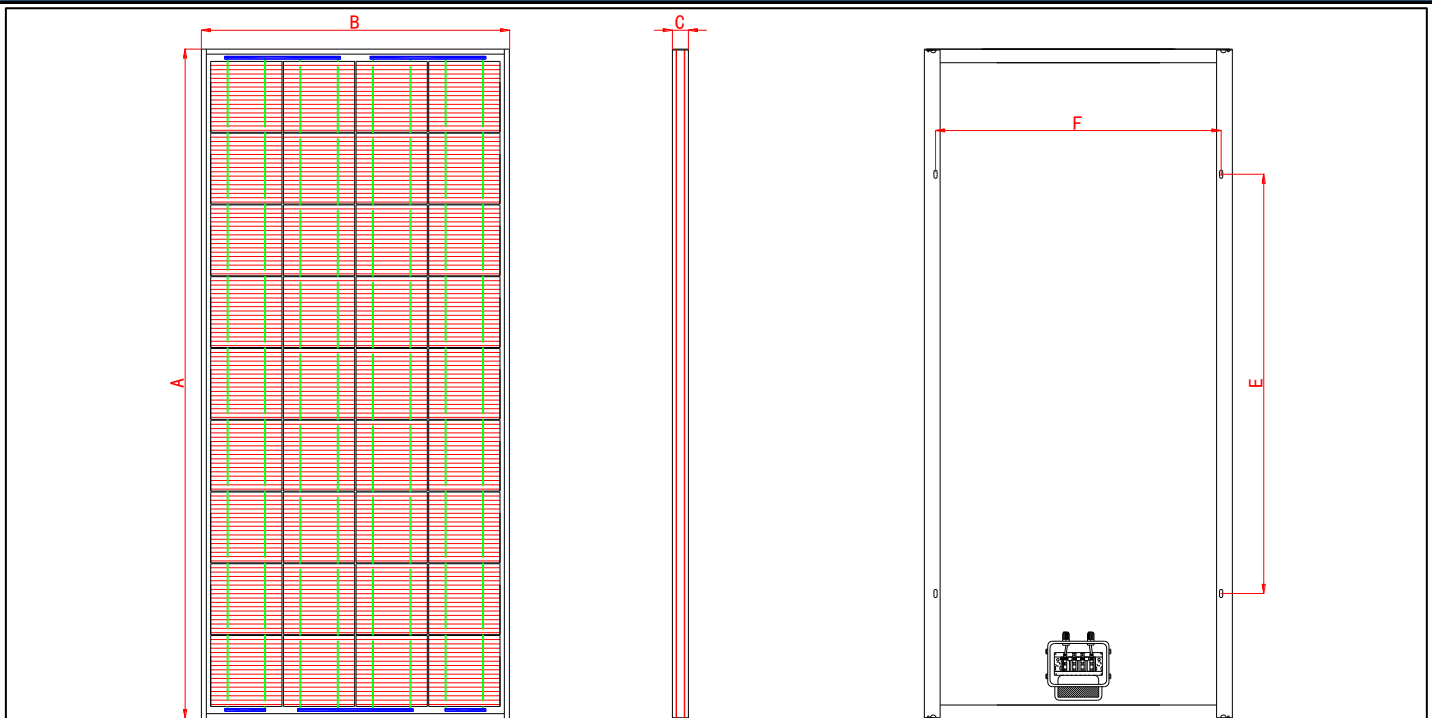
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I-V Characteristics at different Irradiances & Temperatures



Dimensional Characteristics



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