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Solar Panel Guide Specification Data Sheet

JJ PV Solar Pvt. Ltd.

JP72F300-325

JP72F310

Also available on the web at
EnergyPal.com/jj-pv-solar-pvt-ltd-solar-panels/jp72f310

POLY CRYSTALLINE MODULES

JJ PV Solar introduces all new line of high performance modules in wide applications

KEY FEATURES

- Our solar Modules offers high conversion efficiency
- Our high performing modules have an industry low tolerance of $\pm 3\%$
- Can withstand high wind pressure, snow load & extreme temperature



QUALITY & SAFETY

- Industry leading power output warranty (12/90%, 25/80%)
- ISO 9001:2008(Quality Management system)certified company
- Certified for IEC 61215 and IEC 61730 Safety Standard II by TUV Intercert SGS TUV SAAR

APPLICATIONS

- Off-grid residential roof-tops & other applications
- On-grid commercial/Industrial roof-tops

CHARACTERISTICS

- Type of Cell : Multi Crystalline Cells
- Front Face : Tempered Glass (Low iron)
- Frame : Anodized Alluminium, Corner Incert, Screwless
- Junction Box : TUV & UL Approved, IP 65 Protected, With Diodes
- Warranty : 5 Years Workmanship and 25 Years Linear Power Output



Right Decision - Bright Future

JJ PV Solar Pvt. Ltd.

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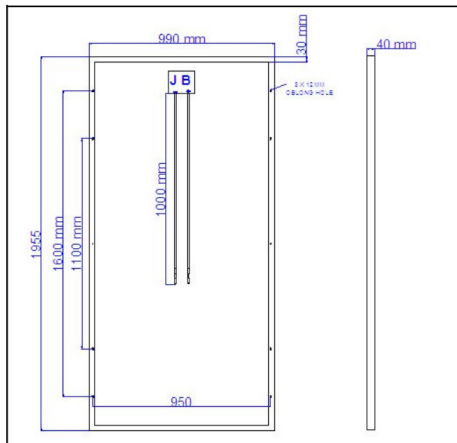
e-mail : sales@jjpvsolar.com Web : www.jjpvsolar.com



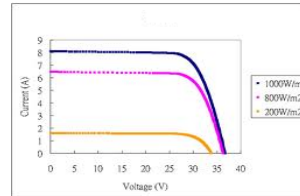
TECHNICAL SPECIFICATIONS

Electrical Parameters					
Model	JP72F300	JP72F310	JP72F315	JP72F320	JP72F325
Rated Power(Pm) watt (Nominal)	300	310	315	320	325
Volt at Max. power(Vmp in Volt)	36.42	36.65	36.68	36.75	36.81
Open circuit voltage(Voc in Volt)	45	45.1	45.23	45.28	45.32
Current at Max. Power(Imp in Amp)	8.24	8.47	8.59	8.71	8.83
Short circuit current(Isc in Amp)	8.6	9.01	9.24	9.39	9.45
Fill factor(FF in %)	>70				
Module efficiency (%)	>15		>16		
Standard Test condition	Irradiance:1000W/M ² Temp: 25°C , & AM :1.5G spectrum				
Temp.coeff. Of Pmax(%/K)	-0.44				
Temp.coeff. Of Voltage(mV/K)	-2.13				
Temp.coeff. Of current(mA/K)	4.46				
Max.system voltage(Volt)	1000				
NOCT (Nominal operat. Cell temp in °c)	47.0±2				
Tolarence of rated power(%)	±3				

Mechanical Parameters								
Family	No. of Cells	Cells	Glass	Alu. Frame	Junction Box	Cable & Connector	Dimension (mm)	Weight (Kg)
JP72F	12x6	156 mm Multi - crystalline	High transmiss-ion, low iron, tempered and textured glass, 3.2mm	Silver Anodized Aluminum Alloy	IEC/ UL approved IP65 rated 4 terminal junction box with 3 by-pass diodes (20A, 600V)	1MtrX2 cable of 4 Sq-mm/12AWG (Black) with MC4 compatible connectors	1955 X 990 X 40(mm)	23 kg.



I-V Curve with various irradiance level



Dependence of Temperature

