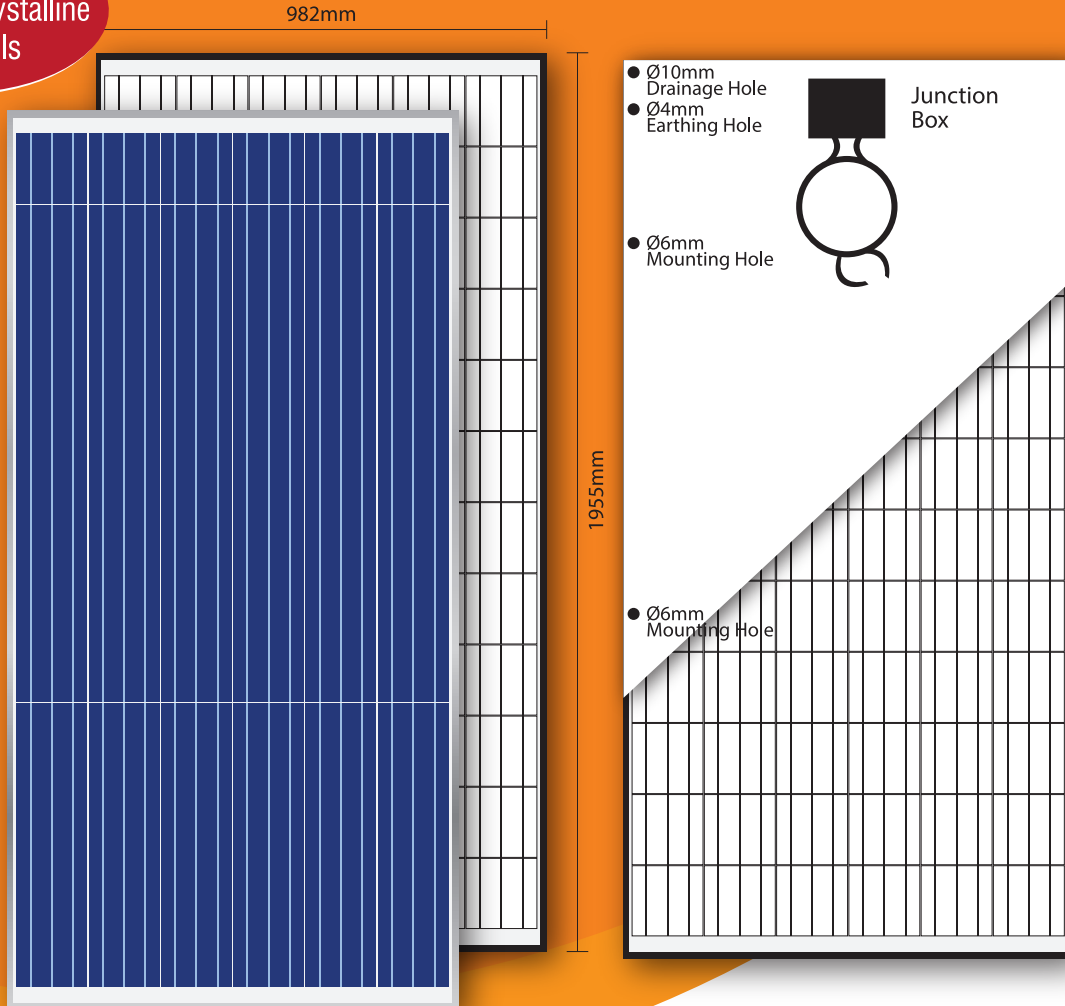


Multi Crystalline Solar PV Modules

Technical Specifications - ECO Series 290-325 Watts

Powered by:
J SPL Multi Crystalline
Solar Cells



Model Name	ECO 290	ECO 295	ECO 300	ECO305	ECO310	ECO315	ECO320	ECO325
Number of Cells	72 in Series							
Maximum Power (-0/+3%)	290 W	295 W	300 W	305 W	310 W	315 W	320 W	325 W
VOC (in V)	44.32	44.55	45.1	45.33	45.65	45.88	46.10	46.22
Isc (in A)	8.61	8.69	8.74	8.79	8.81	8.85	8.98	9.14
Vmp (in V)	36.88	37.28	37.48	37.62	37.68	37.84	37.98	38.22
Imp (in A)	7.87	7.93	8.05	8.12	8.24	8.35	8.45	8.51
Dimensions (in mm)	1955(L) x 982 (W) x 36 (H)							
Weight (in Kg)	20.6							

Operating Characteristics:

Normal Operating Cell Temperature (NOCT)	45.50° C
Temperature Co-efficient Power	-0.39%/° C
Temperature Co-efficient Current	+0.06%/° C
Temperature Co-efficient Voltage	-0.32%/° C

1. PV Junction Box :

IP65 compliant junction box with 6 high quality diodes. MC4 compatible connectors ensure a safe and a secure connection.

2. Backsheet :

Improves weather resistance and increases light reflection, high quality extra white backsheet.

3. EVA (Ethylene Vinyl Acetate) :

Creates a tight seal and renders the cells its long life.

4. Cells :

JSPL Premium grade high efficiency Multicrystalline 3BB / 4BB cells measuring 156mm x 156mm.

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6. Glass :

3.20mm Low Iron Toughened, High Transitivity, Tempered High Impact resistance glass - Textured on the inside to increase reflection and efficiency.

7. Aluminum Frames :

Robust, Anodized Non-corroding aluminum snap-fit frames with pre-drilled drainage and grounding holes.

High Efficiency cells :

The Eco series is based on premium 3BB / 4BB multicrystalline cells from JSPL. These cells have very high efficiencies and good fill factor to increase the overall efficiency of the module.

High Efficiency Cost Effective Modules :

The Eco series is designed to effectively use the space available offering higher output per meter² at highly competitive costs maximizing the return on investments. The Eco series have a minimum efficiency of 15.10% and go all the way to 16.90% at the module level.

JSPL Quality and Product commitment:

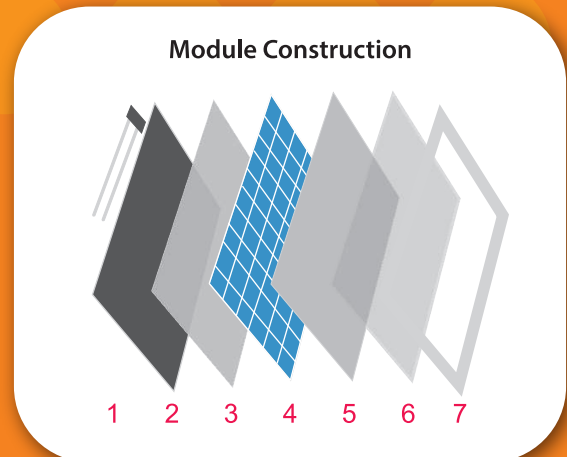
At JSPL, we take pride in using the best quality proven raw materials from industry leaders. The modules are constructed using state of the art automated equipments in our TUV certified manufacturing facility. The Eco series is being tested by TUV Intercert according to the standards of IEC 61215 for design and performance, IEC 61730 (Safety Class II) and IEC 61701 (Salt Mist Corrosion). The Eco series will be backed by a standard 5 years manufacturing warranty and power warranties of 90% of the minimum output power for 10 years and 80% of the minimum output power for 25 years.

Application:

The Eco series is designed for a wide variety of application from stand-alone autonomous applications to grid-connected installations. The Eco series is available as both framed and laminates and is designed for ease of installation.

Note:

1. JSPL reserves the right to change the specification without prior notice.
2. All measurements and warranty/guarantee applicability under standard test conditions (1000W/m², 25°C, AM 1.5).



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