



## **Complete Solar Solutions**

— Making the World a Better Place with Every Rooftop –

# Solar Chalo India Bijli Banao



Luminous Power Technologies Pvt. Ltd. Plot No. 150, Sector 44, Gurugram, Haryana –122003 Tel.:+91-124-477 6700, E-Mail: care@luminousindia.com

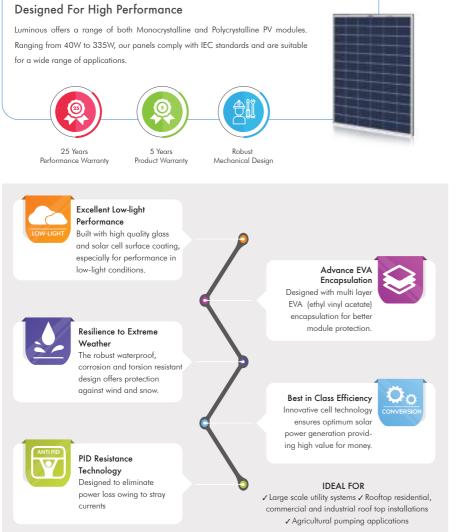


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### LUMINOUS

#### **PV PANELS**



Model	LUM 1240	LUM 1260	LUM 1280	LUM 12105	LUM 12165	LUM 24325	LUM 24335
Cell Type	Poly	Poly	Poly	Poly	Poly	Poly	Mono
No. of Cells	36	36	36	36	36	72	72
Peak Power PMax (Wp)	40	60	80	105	165	325	335
Rated Module Voltage (V)	12	12	12	12	12	24	24
Maximum Power Voltage Vmp (V)	18	18	18	18.05	18.65	38	38.44
Maximum Power Current Imp (A)	2.23	3.34	4.4	5.82	8.85	8.55	8.71
Open Circuit Volatge Voc (V)	22	22	22	22	22.84	45.5	46.44
Short Circuit Current Isc (A)	2.42	3.64	4.8	6.28	9.55	9.07	9.41
Module Efficiency (%)	13.72%	14.10%	15.21%	15.14%	16.64%	16.60%	17.11%
Maximum System Voltage (V)	600V	600V	600V	600V	600V	1000V	1000V
Maximum Series Fuse Rating	12A	12A	12A	12A	20A	20A	20A

435x670

x34

3.30

IP 65

635x670

x34

5.20

IP 65

No cable and

connectors

785x670

x34

6.50

IP 65

1035x670

x34

8.20

IP 65

Silver Anodized aluminium alloy

3.2mm thick high transmission low iron tempered glass, AR coated

EVA (Ethyelene Vinyl Acetate)

Composit Film

5400 Pa (Pascals)

Class A (Safety Class II)

- 40°C to + 85°C

-0.33 %/℃

0.03 %/℃

-0.41 %/℃

1000mm length

cables

1480x670

x34

11.50

IP 65

1976x991

x40

23.00

IP 67

MC4 Compatible/MC4

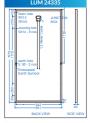
Connectors

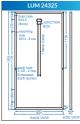
1976x991

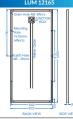
x40

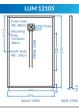
23.00

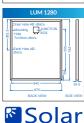
IP 67 1000mm length cables, Solar Module Dimension











#### Warranty and Certifications

Permissible Operating Conditions

Temp coefficient of Open Circuit Voltage

Temp coefficient of Short Circuit Current

Mechanical Data

Module Dimensions (mm)

Module Weight (kgs)

Cable & Connectors

Cell Encapsulant

Aplication Class

Operating Temperature

Temp coefficient of Power

Maximum Surface Load Capacity

Back Sheet

LxWxT

IP Rating

Frame

Glass

Product Warranty**	5 Years			
Performance Warranty**	Linear Performance Warranty for 25 Years with 3% for 1st year degradation and 0.70% from year 2 to 25			
Approvals and Certificates	IEC 61215 Ed2, IEC 61701, IEC 61730-1, IEC 61730-2			
** Refer to Luminous Warranty document for Terms and conditions.				

Technical specifications are subject to change without prior notice