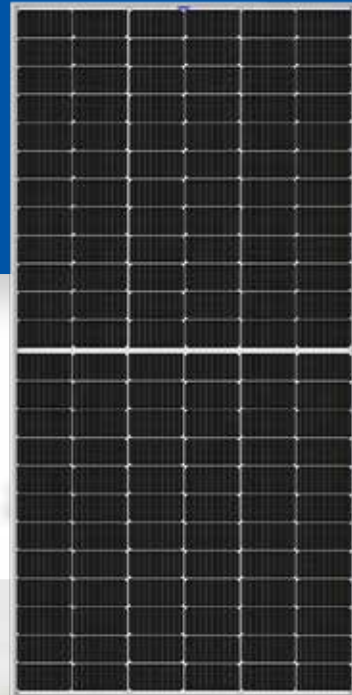


LUMINOUS

MONO PERC HALF CUT Solar Panel

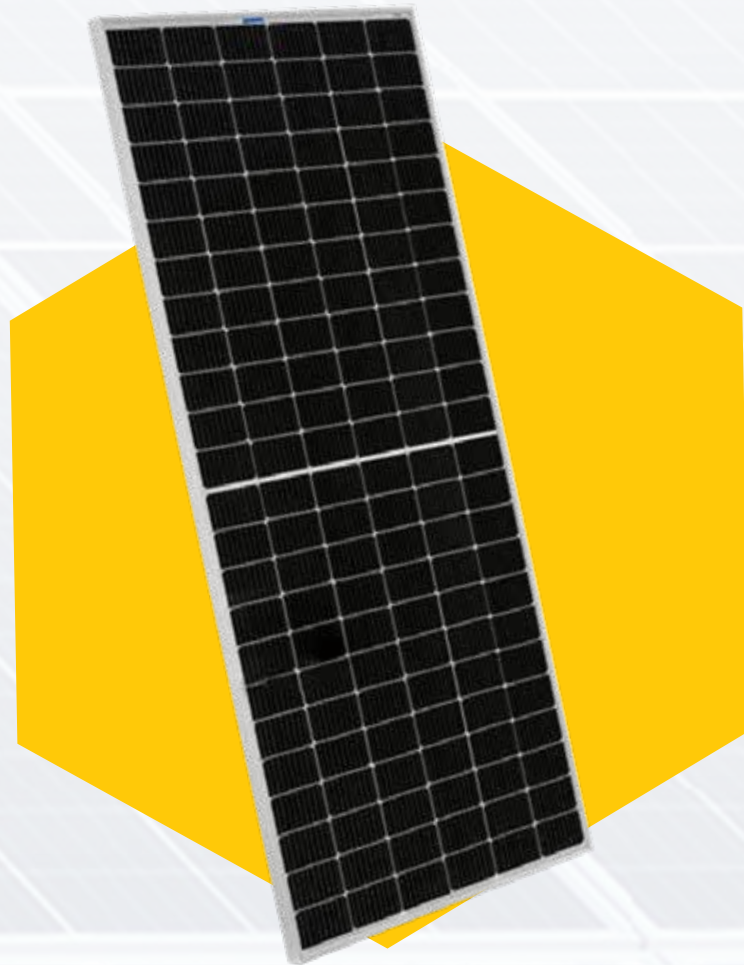


India's Most Dependable Range of Solar Panels

POLYCRYSTALLINE SOLAR PANEL | **MONO PERC HALF CUT SOLAR PANEL**

LUMINOUS

MONO PERC HALF CUT Solar Panel



550W



25 Years
Performance Warranty



Half Cut Solar
Cell Technology



Enlisted
Under ALMM Order

India's Most Dependable Range of Solar Panels

MONO PERC HALF CUT Solar Panel

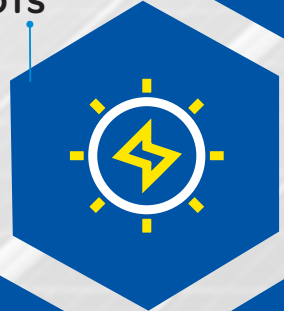
Designed For High Performance



SUPERIOR
POWER GENERATION



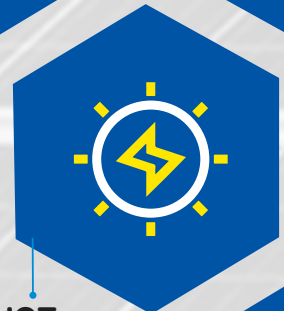
REDUCES RISK
OF HOT SPOTS



LOWER
RESISTIVE LOSSES



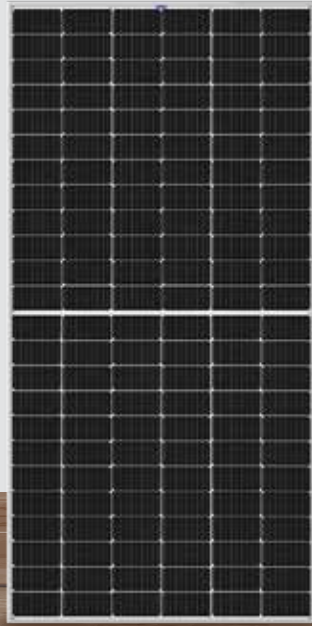
EXCELLENT HOT
SPOT PERFORMANCE



LESS MICRO
CRACK IMPACTS



Best in class Energy
Efficient Solar Panels



BETTER SHADING TOLERANCE

LOWER BOS COST

BIS CERTIFIED

Ideal for Home and Commercial Establishment



Hospital



Residence



Petro Pump



Commercial

* Refer Technical Specification for Appropriate Selection

Technical Specifications

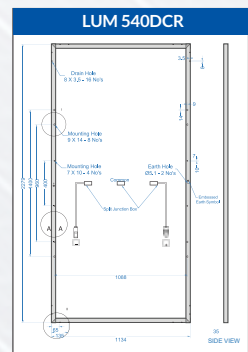
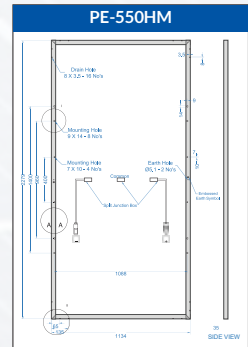
Electrical Parameters @ STC#

Model ALMM Reference Model	LUM 540DCR	PE- 550HM
Cell Type	Mono PERC Half Cut	Mono PERC Half Cut
No. of Cells	144	144
Peak Power P _{Max} (Wp)	540	550
Rated Module Voltage (V)	24	24
Maximum Power Voltage V _{mp} (V)	41.92	41.95
Maximum Power Current I _{mp} (A)	12.89	13.12
Open Circuit Voltage V _{oc} (V)	49.40	49.80
Short Circuit Current I _{sc} (A)	13.72	13.98
Module Efficiency (%)	20.89%	21.28%
Maximum System Voltage (V)	1500V	1500V
Maximum Series Fuse Rating	25A	25A

STC (1000W/m²), AM1.5, cell temperature 25°C. Power Tolerance : 0/+5%. Power measurement accuracy:±3%

Our solar panels are included in Detailed List of Manufacturers and Models of Solar PV Modules Recommended under ALMM Order

Solar Module Dimension



Mechanical Data

Module Dimensions (mm) LxWxT	2279x1134 x35
Module Weight (kgs)	29
IP Rating	IP 67
Cable	400mm length cables
Frame	Silver Anodized Aluminium Alloy
Glass	3.2mm thick high transmission low iron tempered glass, AR coated
Cell Encapsulant	EVA (Ethylene Vinyl Acetate)
Back Sheet	Composite Film
Maximum Surface Load Capacity	5400 Pa (Pascals)
Application Class	Class A (Safety Class II)

Permissible Operating Conditions

Operating Temperature	- 40°C to + 85°C
Temp coefficient of Open Circuit Voltage	-0.3%/°C
Temp coefficient of Short Circuit Current	+0.06%/°C
Temp coefficient of Power	-0.35%/°C

Warranty and Certifications

Product Warranty**	12 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	BIS certified as per IS/IEC standards

** Refer to Luminous Warranty document for Terms and conditions.
Technical specifications are subject to change without prior notice.