



Solar Panels

Lento solar panels are manufactured under conditions with rigorous tests to ensure performance and rated performance over rated life. We use high efficiency polycrystalline silicon cells and the latest in bonding techniques to interconnect cells followed by vacuum sealing and affixing to frames resulting in compact construction, space savings with corresponding higher output of power. The result is a panel that withstands climatic conditions and performs efficiently over its rated life of 25 years with only a drop of 5 to 10%

Salient Features

- Tempered white glass plate, extruded aluminium frame for industry standard fitment, vacuum sealing using UV resistant encapsulating resin and EVA sandwich to conform to MNRE and international specifications
- IEC 61215, ISO 9001 and ISO 14001:2004 complied
- Polycrystalline cells
- More Energy Efficient UV Resistant thermo setting plastic
- Encapsulate ethylene vinyl acetate, cushions the solar cells within the laminate and protects the cell due to harsh weather conditions.
- The high strength polymer sheet protects the rear surface from ingress of moisture and mechanical damage.

Technical Specification of Solar Panels

Power (Pm) in Watts (nominal)	100 (0±3%)	150 (0~+3%)	250 (0~+3%)	300 (0~+3%)	320 (0~+3%)
Open Circuit Voltage (Voc) in Volts	22	22	44.5	44.5	46.5
Short Circuit Current (Isc) in Amps	6	8.8	8.7	8.7	9
Voltage at Maximum Power (Vmp) in Volts	18	18	36	36	38
Current at Maximum Power (Imp) in Amps	5.55	8.33	8.2	8.2	9
Maximum System Voltage 1000V 1000V	1000V	1000V	1000V	1000V	1000V
Solar Cells per Module (Units)	36	36	72	72	72
Length x Width x Thickness (L x W x T) mm	100x665x35	1480X665X35	1645X990X35	1745X990X35	1745X990X35
Weight – Kg	9	12.5	18	22	24
9 Mounting Holes Pitch (Y) – mm 510 510	510	740	1000	1000	1000
Mounting Holes Pitch (X) – mm	633	633	958	1159	1220
Area – Sq. M	0.68	0.98	1.63	1.89	1.89
Junction Box	3T/2T	3T	IP65 4T With Play & Plug connectors	IP65 4T With Play & Plug connectors	IP65 4T With Play & Plug connectors

Note : All Specifications Are Subject To Change Without Prior Notice