

Lanco Solar

Simple | Clean | Green | Sustainable | Positive



LSP WWW P-72 Cell
Poly Series

LANCO SOLAR MODULE CHARACTERISTICS

Electrical Data @ STC

	MODEL	LSP275P	LSP280P	LSP285P	LSP290P	LSP295P	LSP300P
Power Max	W	275	280	285	290	295	300
Short Circuit Current-Is _c	A	8.35	8.39	8.43	8.48	8.52	8.56
Open Circuit Voltage-V _{oc}	V	44.4	44.6	44.8	45.0	45.2	45.5
Current at Max Power-I _{mp}	A	7.78	7.84	7.91	7.98	8.04	8.11
Voltage at Max Power-V _{mp}	V	35.5	35.8	36.1	36.4	36.7	37.0
Fill Factor	%	74%	75%	76%	76%	77%	77%
Module Efficiency	%	14.0%	14.3%	14.5%	14.8%	15.0%	15.3%

General Characteristics

Power Tolerance	W	-0 +5W
System Voltage	V	1000
Operating Temperature	°C	-40 to +85
NOCT	°C	47 +/- 2
Temp coefficient of Current	%/°C	0.06
Temp coefficient of Voltage	%/°C	-0.31
Temp coefficient of Power	%/°C	-0.43

Module Construction Details

No. of cells and Matrix	72 (12 x 6)
Junction Box Rating	IP 65
Junction Box Fuse Rating	15A
Aluminum Frame	AL 6063 T5
Solar Glass	High Transmittance 3.2mm Textured & Tempered Glass
Junction Box Cables	1000 mm long with MC4 compatible connectors

Certifications

Product Certifications	IEC 61215, IEC 61730, IEC 61701, and UL 1703
Certification Lab	TUV Rheinland, UL and Intertek
Plant Certifications	ISO 9001:2008, ISO 14001 and OHSAS 18001:2007

Special Features

- 100% inspection by EL - Microcrack free Modules
- Positive Power Tolerance [-0 & +5W]
- Inlaid RFID Tags
- Highly Automated Assembly Line
- High Quality Induction Soldered Joints
- High Fill factor and low series Resistance
- Solar PV modules Suitable for All Climates.
- 10 Year Replacement Warranty on Workmanship

25 Year Power Performance Guarantee

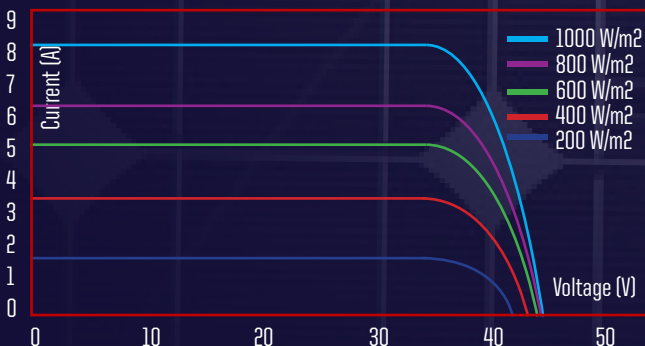


Module Mechanical & Packing Details

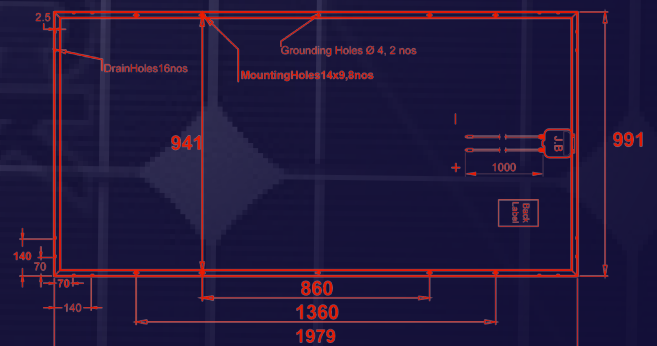
Module size	1979 x 991 x 40 mm +/- 1mm
Module Mounting Dimensions	8 Mounting Holes of Size: 9 x 14mm 4 @ 1360 X 941 +/- 3mm & 4 @ 860 X 941 +/- 3mm
Module Weight	23.5 kg
Frame Joint & Drain Hole details	
No. of Modules in pallet	24 No's
No. of Pallets in 40feet Container	24 No's
No. of Modules per Container	576 No's (158 KW to 172 KW)

IV Characteristics

IV Curve at STC : Variation with irradiance level



Dimensional Drawing as seen from backside



CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

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