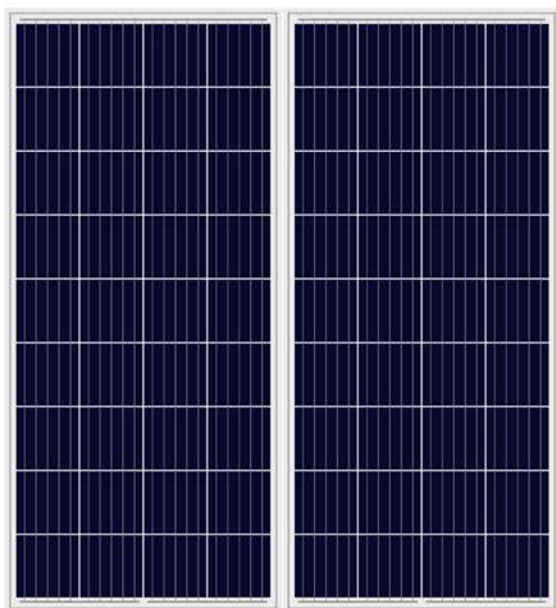




PREMIUM POLY CRYSTALLINE CELLS



LS-150P x2

Overview

Legion Solar LS-150P photovoltaic panels are sold in pairs and connected in series designed specifically for the Legion Solar Micro-Inverters to achieve an ideal system match for high efficiency DC to AC conversion. The smaller lightweight modules are designed to be ideally suited for one person to conveniently handle for the do-it-yourself installer.

Electrical Performance STC 1000W/m², T = 25° C, AM = 1.5

Parameter	Value
Maximum power (Pmax)	310 Watts
Maximum power voltage (Vmp)	38.04 V
Maximum power current (Imp)	7.89A
Open circuit voltage (Voc)	45.14V
Short circuit current (Isc)	8.37A
Cell Efficiency	18.5%

High Performance and Value

Utilizing premium poly-crystalline cells, we've designed the LS-150P to deliver unsurpassed price/watt performance for any home or commercial application. Coupled with our Micro-Inverter, our system outperform that of central inverter configurations with superior resistivity to clouds and partial shading.



Poly crystalline cells. Excellent performance and power output.



Anti-reflective tempered glass. Withstands salt mist, ammonia, blown sand resistance, hail, snow for extreme environments.

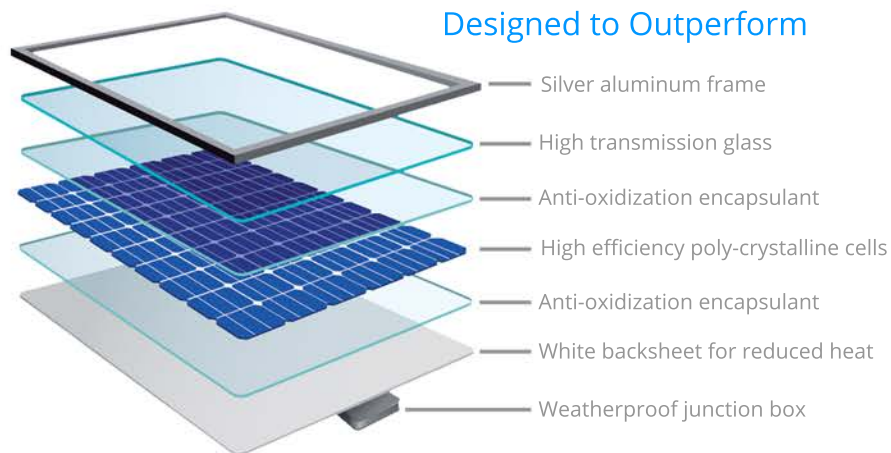


Lightweight, rugged aluminum frame optimized for DIY. Dynamic mechanical load test by 1000 cycles+50TC+10HF.

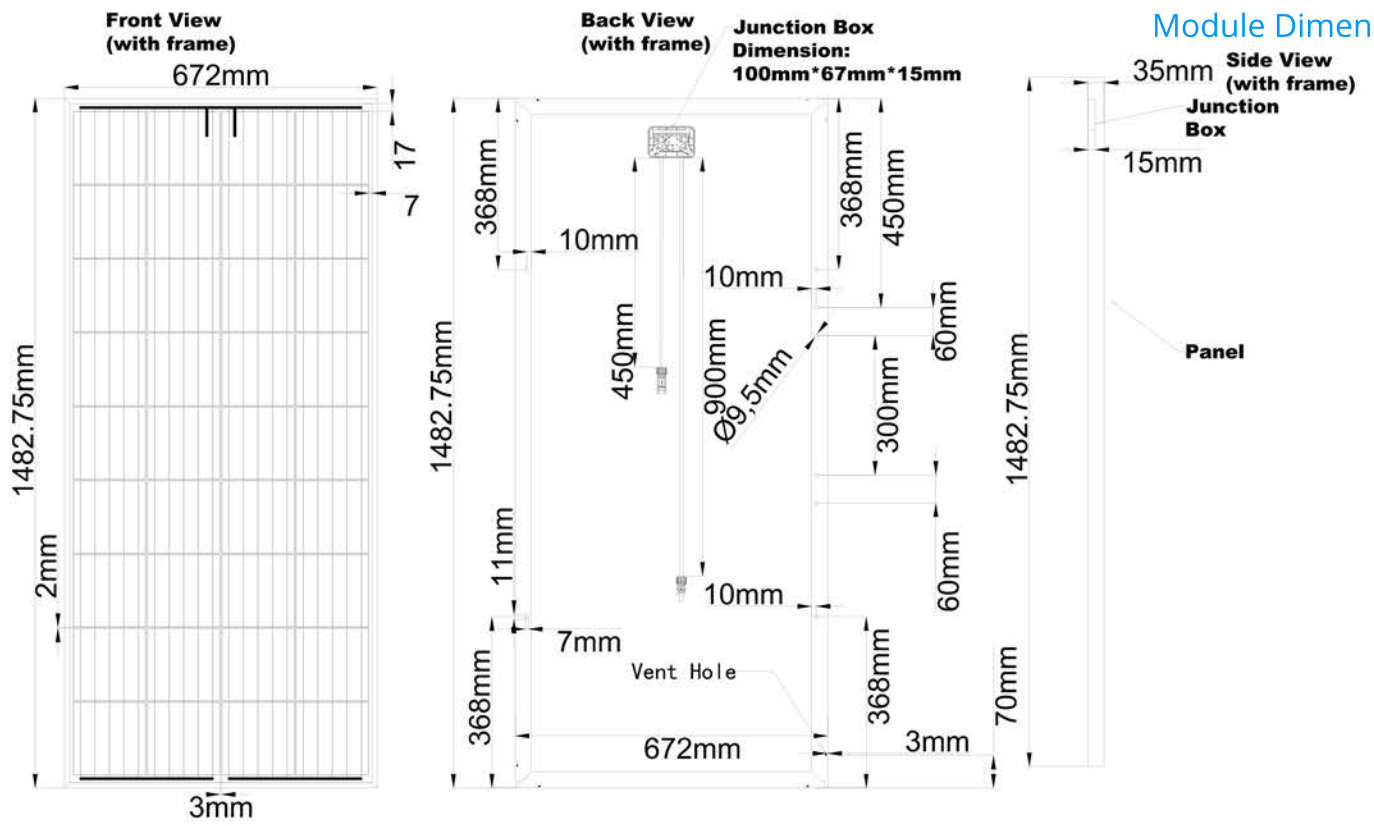


10 year limited warranty
10 year 90% performance guarantee
25 year 80% performance guarantee

Designed to Outperform



Module Dimensions



Qualification Test

Physical Characteristics

Parameter	Value
Temp cycling range	-40°C to 85°C for 200 cycles
Damp heat test	85°C and 85% relative humidity for 1000hr
Front load test (Snow)	5400Pa / 113 psf
Read static lost test (Wind)	2400Pa / 50 psf
Hailstone impact test	25mm hail at 23m/s from 1m distance

Safety Ratings & Warranties

Parameter	Value
Fire Safety Classification	Type 2
Module Application	Class A
Warranty	10 years limited product warranty
Performance guarantee	10 years limited warranty of 90% power output 25 years limited warranty of 80% power output

Temperature Coefficients

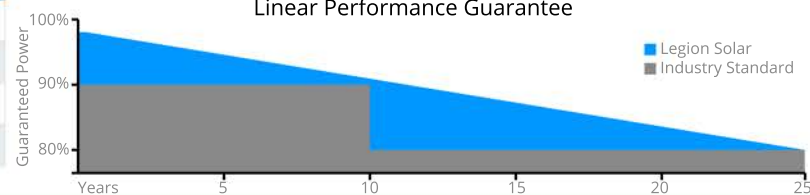
Parameter	Value
NOCT	45 +/- 2°C
TC Isc	0.035%/K
TC Voc	-0.33%/K
TC Pmax	-0.47%/K

Parameter	Value
Cells per pair of modules	72
Cell type	Poly-Crystalline Silicon
Single module dimensions	58.33 x 26.46 x 1.38 inches (1483 x 672 x 35 mm)
Single module weight	25.6 LBS (11.6Kg)
Front glass	Low iron tempered glass
DC Connector type	MC4
Junction box IP grade	IP67
Frame	Aluminum

System Integration Parameters

Parameter	Value
Maximum system voltage (IEC)	1,000V
Maximum system voltage (UL)	600 V
Maximum series fuse rating	15A
Limiting reverse current	15A

Linear Performance Guarantee



*All data, unless otherwise specified, represents a pair of modules.
**This datasheet is subject to change without prior notice.

