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# **EnergyPal**

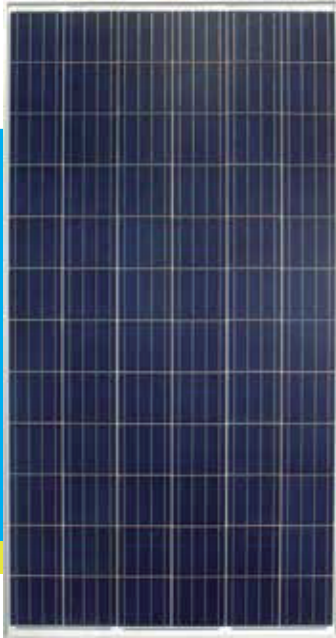
## **Solar Panel Guide Specification Data Sheet**

**Lightway Green New Energy Co., Ltd.**

**LW190P72-3/5**

**LW190P72-3/5**

Also available on the web at  
[EnergyPal.com/lightway-green-new-energy-co-ltd-solar-panels/lw190p72-3-5](http://EnergyPal.com/lightway-green-new-energy-co-ltd-solar-panels/lw190p72-3-5)



# LIGHTWAY SOLAR MODULE

## LW190P72-3/5

- High efficiency cells ensure the high energy yields
- Easy and quick installation design with pre-drilled holes on the frame
- Qualified raw material and advanced encapsulation meets most stringent safety requirements of high voltage operation
- Production facility calibrated and staff trained by TUV

### ELECTRICAL DATA @ STC

Module Type		LW180P72-3/5	LW185P72-3/5	LW190P72-3/5
Peak Power_Pmax	W	180	185	190
Power tolerance_ΔPmax	W	±5	±5	±5
Voltage at Pmax_Vmpp	V	35.94	36.22	36.48
Current at Pmax_Imp	A	5.01	5.11	5.21
Open Circuit Voltage_Voc	V	45.36	45.58	45.86
Short Circuit Current_Isc	A	5.27	5.37	5.46
Module Efficiency_η		15.08%	15.49%	15.91%

Values at standard test condition STC: AM 1.5, irradiance 1000W/m<sup>2</sup>, cells temperature 25 C

### TEMPERATURE RATING

Temperature Coefficient of Pmax	%/C	-0.42
Temperature Coefficient of Isc	%/C	0.06
Temperature Coefficient of Voc	%/C	-0.32

### MAXIMUM RATING

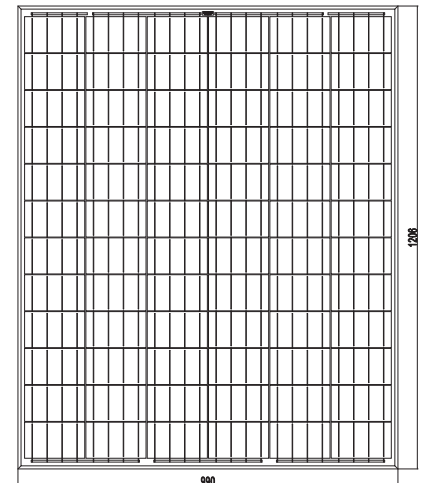
Max. System Voltage	V	600
Nominal operating cell temperature(NOCT)	C	45±2 C
Operating Temperature	C	-40 ~ +85 C
Max. static load, front (eg. snow)	Pa	2400
Max. static load, back (eg. wind)	Pa	2400
Module Dimension(L×W×H)	mm	1206*990*25/30/35
Weight	kg	12

### CONSTRUCTION MATERIALS

Solar cells	72/Poly/156mm×94.05mm
Glass	3.2mm Low-iron tempered glass
Encapsulant	Ethylene vinyl acetate(EVA)
Frame	Anodized aluminium alloy(Silver)

Module Warranty:  
25-year limited warranty of 80% power output; 10-year limited warranty of 90% power output;  
5-year limited warranty of materials and workmanship.

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Unit:mm

