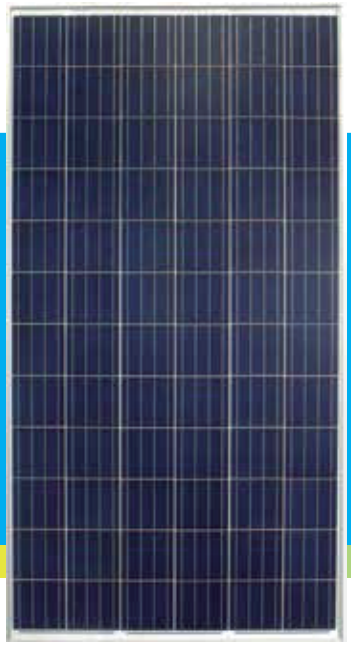


Lightway
Power for a changing world

LIGHTWAY SOLAR MODULE

LW190P72-3/5

- High efficiency cells ensure the high energy yields
- Easy and quick installation desgin with pre-drilled holes on the frame
- Qualified raw material and advanced encapsulation meets most stringent safety requirments 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_Impp	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/m², cells temperature 25℃

TEMPERATURE RATING

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

MAXIMUM RATING

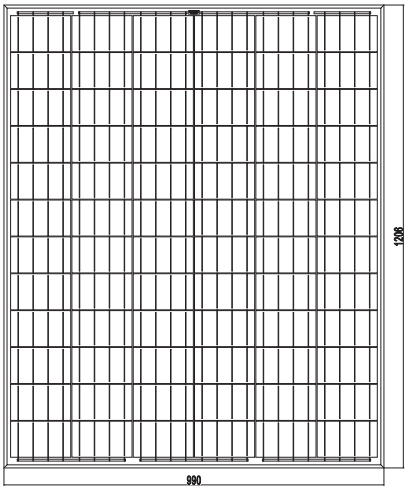
Max. System Voltage	V	600
Nominal operating cell temperature(NOCT)	℃	45±2℃
Operating Temperature	℃	-40～+85℃
Max. static load, front (eg. snow)	Pa	2400
Max. static load, back (eg. wind)	Pa	2400
Module Dimension(L×W×H)	mm	1206*990*25/30/35
Weight	kg	12

CONSTRUCTION MATERIALS

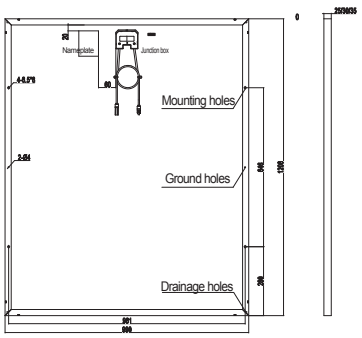
Solar cells	72/Poly/156mm×94.05mm
Glass	3.2mm Low-iron tempered glass
Encapsulant	Ethylene vinyl acetate(EVA)
Frame	Anodized aluminium alloy(Silver)

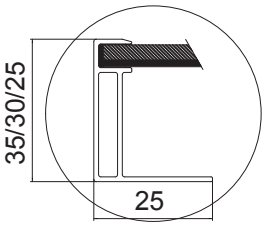
Module Warranty:
25-year limited warranty of 80% power output; 10-year limited warranty of 90% power output;
5-year limited warranty of materials and workmanship.

www.lightwaysolar.com
Tel: +86 312 6932833
Fax: +86 312 2951166
Email: commerce@lightwaysolar.com



Unit:mm





Baoding Lightway Green Energy Technology Co., Ltd. New Industry Park, Gaobeidian, Hebei Province, China