



LIGHTWAY SOLAR MODULE

LW6P72 Series KEY FEATURES

17.01%
Max Efficiency

330W
Max Peak Power

10YEAR
Product Warranty

25YEAR
Linear Power Warranty



Positive Tolerance 0-5W

Provides our customers with maximum power output



Electric Current Classification

System output maximized by reducing mismatch losses up to 2% with modules sorted and package by amperage



Excellent Weak Light Performance

Relative change of module efficiency at 200W/m² is less than 4%



Upto 5400Pa Mechanical Load

Module certified to withstand extreme wind and snow loads



Passed Ammonia Gas And Salt Mist Corrosion Resistance Test

Tested and approved by TUV Rheinland according IEC 62716 Draft C and FprEN 61701 Ed.2



PID-Free

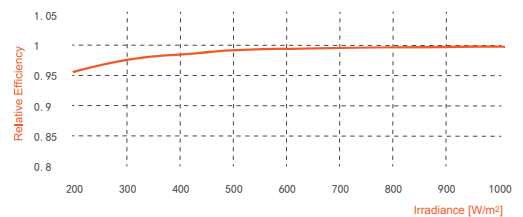
Module without potential induced degradation even under high temperature and high relative humidity condition



System Certification

ISO 9001:2008, ISO 14001:2004+Cor.1:2009, BS OHSAS 18001:2007

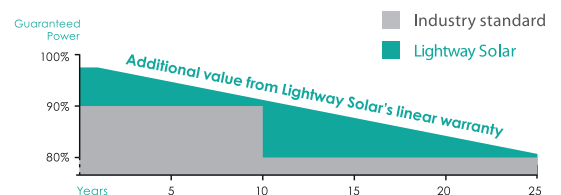
PERFORMANCE AT LOW IRRADIANCE



The typical relative change in module efficiency at an irradiance of 200W/m² in relation to 1000W/m² (both at 25°C and AM 1.5 spectrum) is less than 4%.

LINEAR WARRANTY

- 10-year warranty on materials and workmanship
- 25-year warranty > 80% power output
- 2.5% degradation rate the first year
- 0.70% yearly linear degradation



ELECTRICAL DATA @ STC

Values at standard test condition STC: air mass AM 1.5, irradiance 1000W/m², cells temperature 25°C.

Module Type		LW6P72-330	LW6P72-325	LW6P72-320	LW6P72-315	LW6P72-310
Peak Power_Pmax	W	330	325	320	315	310
Power tolerance_ΔPmax	W	0,+5				
Voltage at Pmax_Vmpp	V	37.38	37.19	36.96	36.81	36.54
Current at Pmax_Imp	A	8.84	8.75	8.67	8.57	8.51
Open Circuit Voltage_Voc	V	46.06	45.97	45.88	45.79	45.56
Short Circuit Current_Isc	A	9.23	9.13	9.03	8.92	8.85
Module Efficiency_η		17.01%	16.75%	16.49%	16.23%	15.98%

ELECTRICAL DATA @ NOCT

Nominal operating cell temperature NOCT: irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s.

Module Type		LW6P72-330	LW6P72-325	LW6P72-320	LW6P72-315	LW6P72-310
Peak Power_Pmax	W	241.26	239.3	237.12	233.51	230.16
Voltage at Pmax_Vmpp	V	35.22	35.14	35.05	34.93	34.71
Current at Pmax_Imp	A	6.85	6.81	6.77	6.69	6.63
Open Circuit Voltage_Voc	V	42.66	42.59	42.51	42.40	42.16
Short Circuit Current_Isc	A	7.40	7.36	7.32	7.23	7.17

TEMPERATURE RATING

Nominal operating cell temperature(NOCT)	°C	45±2
Temperature Coefficient of Pmax	%/°C	-0.4066
Temperature Coefficient of Isc	%/°C	0.04203
Temperature Coefficient of Voc	%/°C	-0.29871

MAXIMUM RATING

Max. System Voltage	1000Vdc
Operating Temperature	-40 ~ +85°C
Max. Series Fuse Rating	15A
Max. Reverse Current	15A
Max. Mechanical load	5400Pa

CONSTRUCTION MATERIALS

Solar cells	72-multicrystalline silicon cells, 156.75mm*156.75mm
Glass	3.2mm low-iron tempered glass
Encapsulant	ethylene vinyl acetate(EVA)
Frame	anodized aluminium alloy(Silver)
Junction Box	≥IP67 rated, 3/6 diodes
Cable	4mm ² PV cable, 1200mm (according to customer's requirement)
Connector	MC4 compatible

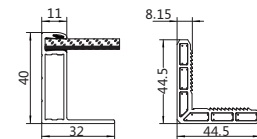
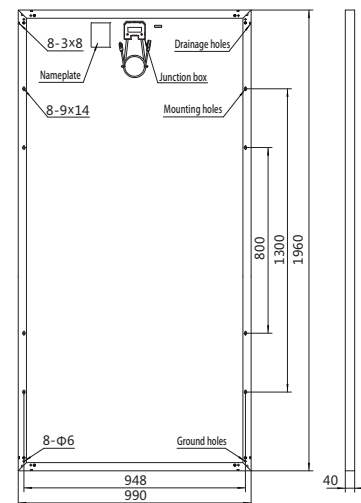
GENERAL DATA

Module Dimension(L×W×H)	1960×990×40mm
Weight	21.5kg

PACKING

Modules per pallet	27
Pallets per 40' container	24
Packing box dimension(L×W×H)	2000×1140×1160mm

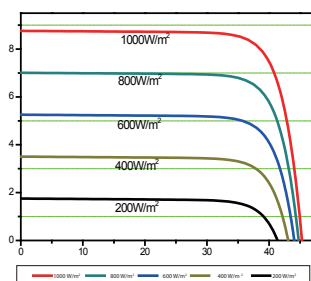
Unit:mm



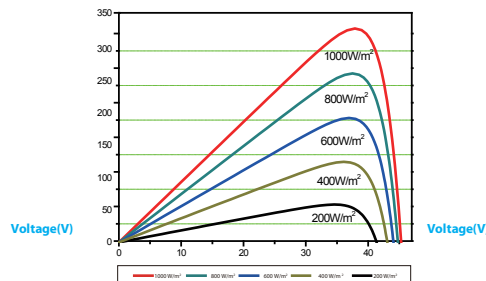
Section View

L-Key

Current(A)



Power(W)



Current(A)

