

Made In China

LIGHTWAY SOLAR MODULE

LW6M72 Series KEY FEATURES

19.07%
Max
Efficiency

370W
Max Peak
Power

10YEAR
Product
Warranty

25YEAR
Linear Power
Warranty



Positive Tolerance 0-5W

Provides our customers with maximum power output



Electric Current Classification

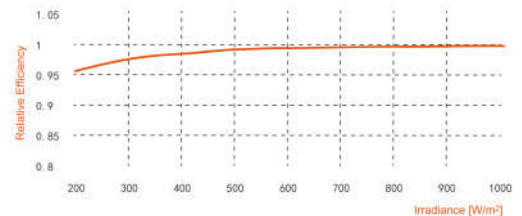
System output maximized by reducing mismatch losses up to 2% with modules sorted and package by amperage



System Certification

ISO 9001:2015, ISO 14001:2015,
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%.

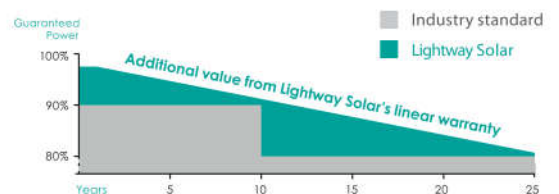
LINEAR WARRANTY

- 10-year warranty on materials and workmanship
- 25-year warranty > 80% power output
- 3% degradation rate the first year
- 0.70% yearly linear degradation



IEC 61215
IEC 61730
Regular Production
Surveillance

www.tuv.com
ID 1419060987



ELECTRICAL DATA @ STC

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

Module Type		LW6M72-370	LW6M72-365	LW6M72-360	LW6M72-355	LW6M72-350
Peak Power_Pmax	W	370(±3%)	365(±3%)	360(±3%)	355(±3%)	350(±3%)
Power tolerance_ΔPmax	W	0,+5				
Voltage at Pmax_Vmpp	V	39.56	39.28	39.03	38.83	38.62
Current at Pmax_Imp	A	9.36	9.30	9.23	9.15	9.07
Open Circuit Voltage_Voc	V	48.20(±3%)	47.95(±3%)	47.70(±3%)	47.45(±3%)	47.20(±3%)
Short Circuit Current_Isc	A	9.85(±3%)	9.80(±3%)	9.73(±3%)	9.66(±3%)	9.59(±3%)
Module Efficiency_η		19.07%	18.81%	18.55%	18.30%	18.04%

ELECTRICAL DATA @ NOCT

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

Module Type		LW6M72-370	LW6M72-365	LW6M72-360	LW6M72-355	LW6M72-350
Peak Power_Pmax	W	275.39	271.92	267.94	264.35	260.71
Voltage at Pmax_Vmpp	V	37.88	37.61	37.37	37.18	36.98
Current at Pmax_Imp	A	7.27	7.23	7.17	7.11	7.05
Open Circuit Voltage_Voc	V	45.26	45.03	44.79	44.56	44.32
Short Circuit Current_Isc	A	7.87	7.83	7.77	7.72	7.66

TEMPERATURE RATING

Nominal operating cell temperature(NOCT)	°C	45±2
Temperature Coefficient of Pmax	%/°C	-0.410
Temperature Coefficient of Isc	%/°C	0.059
Temperature Coefficient of Voc	%/°C	-0.330

MAXIMUM RATING

Max. System Voltage	1500Vdc
Operating Temperature	-40~+85°C
Max. Series Fuse Rating	15A
Max. Reverse Current	15A
Max. Mechanical load	3600Pa (downward) / 1600Pa (upward). γm=1.5

CONSTRUCTION MATERIALS

Solar cells	72 mono - 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)
Installation method	clamp mounting, see installation manual for more

Connector

Manufacture	Type
Zhejiang Renhe Photovoltaic Technology Co.,Ltd.	05-8

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

