



# LIGHTWAY SOLAR MODULE

## LW6M72 Series KEY FEATURES

**19.92%**  
Max Efficiency

**395W**  
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/m<sup>2</sup> is less than 4%



### Upto 5400Pa Mechanical Load

Module certified to withstand extreme snow load



### Passed Ammonia Gas And Salt Mist Corrosion Resistance Test

Tested and approved by TUV according IEC 62716 and IEC 61701



### PID-Free

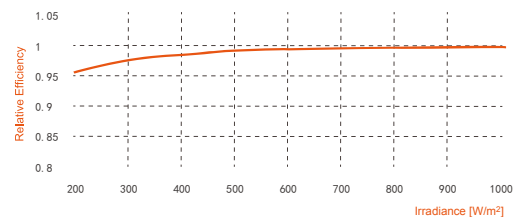
Module without potential induced degradation even under high temperature and high relative humidity condition



### System Certification

ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

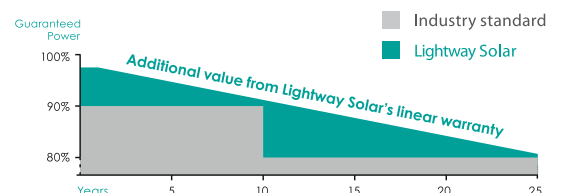
### PERFORMANCE AT LOW IRRADIANCE



The typical relative change in module efficiency at an irradiance of 200W/m<sup>2</sup> in relation to 1000W/m<sup>2</sup> (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 > 83.1% power output
- 2.5 % degradation rate the first year
- 0.60% yearly linear degradation



## ELECTRICAL DATA @ STC

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

Module Type		LW6M72-395(W)	LW6M72-390(W)	LW6M72-385(W)	LW6M72-380(W)	LW6M72-375(W)
Peak Power_Pmax	W	395	390	385	380	375
Power tolerance_ΔPmax	W	0,+5				
Voltage at Pmax_Vmpp	V	40.53	40.22	39.91	39.59	39.27
Current at Pmax_Imp	A	9.75	9.70	9.65	9.60	9.55
Open Circuit Voltage_Voc	V	49.86	49.60	49.34	49.07	48.80
Short Circuit Current_Isc	A	10.21	10.16	10.11	10.06	10.01
Module Efficiency_η		19.92%	19.67%	19.42%	19.16%	18.91%

## ELECTRICAL DATA @ NOCT

Nominal operating cell temperature NOCT: irradiance 800W/m<sup>2</sup>, ambient temperature 20 °C, wind speed 1m/s.

Module Type		LW6M72-395(W)	LW6M-390(W)	LW6M72-385(W)	LW6M72-380(W)	LW6M72-375(W)
Peak Power_Pmax	W	294.18	290.37	286.58	282.81	278.99
Voltage at Pmax_Vmpp	V	38.81	38.51	38.21	37.91	37.60
Current at Pmax_Imp	A	7.58	7.54	7.50	7.46	7.42
Open Circuit Voltage_Voc	V	46.82	46.57	46.33	46.08	45.82
Short Circuit Current_Isc	A	8.16	8.12	8.08	8.04	8.00

### TEMPERATURE RATING

Nominal operating cell temperature(NOCT)	°C	45±2
Temperature Coefficient of Pmax	%/°C	-0.4154
Temperature Coefficient of Isc	%/°C	0.0359
Temperature Coefficient of Voc	%/°C	-0.3108

### MAXIMUM RATING

Max. System Voltage	1500/1000Vdc
Operating Temperature	-40~+85 °C
Max. Series Fuse Rating	20A
Max. Mechanical load	5400Pa

### CONSTRUCTION MATERIALS

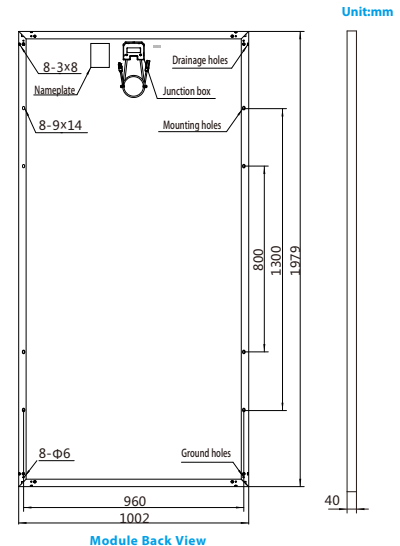
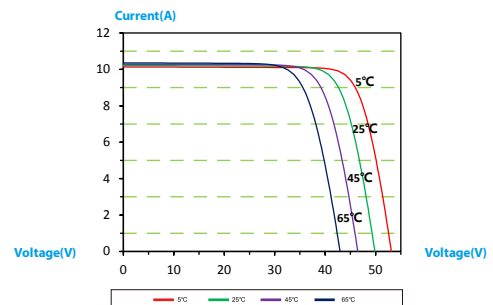
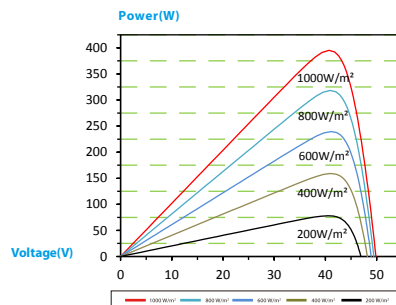
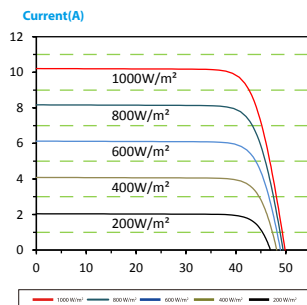
Solar cells	72 mono - silicon cells, 158.75mm*158.75mm
Glass	3.2mm low-iron tempered glass
Encapsulant	ethylene vinyl acetate(EVA)
Frame	anodized aluminium alloy(Silver)
Junction Box	≥IP67 rated, 3 diodes
Cable	4mm <sup>2</sup> PV cable, 1200mm
Connector	MC4 compatible

### GENERAL DATA

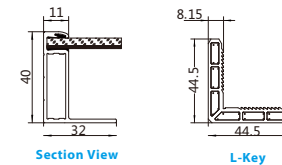
Module Dimension(L×W×H)	1979×1002×40mm
Weight	21.5kg

### PACKING

Modules per pallet	27
Pallets per 40' container	22
Packing box dimension(L×W×H)	2020×1140×1170mm



Module Back View



Section View

L-Key