



# LIGHTWAY SOLAR MODULE

## LW6PH72 Series KEY FEATURES

**17.34%**  
Max Efficiency

**345W**  
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 loads



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

Tested and approved by TUV according IEC 62716 and IEC 61701



### PID-Free

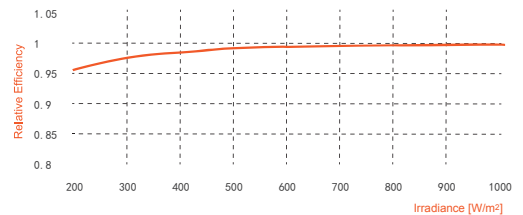
Module without potential induced degradation even under high temperature and high relative humidity condition



### System Certification

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

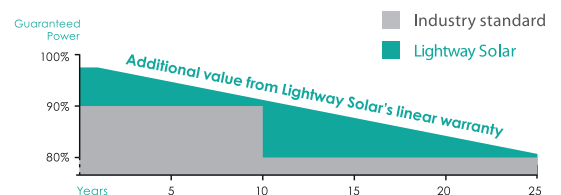
### PERFORMANCE AT LOW IRRADIANCE



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 > 80.7% 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/m<sup>2</sup>, cells temperature 25 C.

Module Type		LW6PH72-345(W)	LW6PH72-340(W)	LW6PH72-335(W)	LW6PH72-330(W)
Peak Power_Pmax	W	345	340	335	330
Power tolerance_ΔPmax	W	0,+5			
Voltage at Pmax_Vmpp	V	38.60	38.40	38.20	38.00
Current at Pmax_Imp	A	8.94	8.86	8.77	8.69
Open Circuit Voltage_Voc	V	46.10	45.90	45.70	45.50
Short Circuit Current_Isc	A	9.47	9.38	9.30	9.21
Module Efficiency_η		17.34%	17.10%	16.84%	16.59%

## ELECTRICAL DATA @ NOCT

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

Module Type		LW6PH72-345(W)	LW6PH72-340(W)	LW6PH72-335(W)	LW6PH72-330(W)
Peak Power_Pmax	W	254.14	250.25	247.08	243.24
Voltage at Pmax_Vmpp	V	35.20	35.00	34.80	34.60
Current at Pmax_Imp	A	7.22	7.15	7.10	7.03
Open Circuit Voltage_Voc	V	42.90	42.70	42.50	42.30
Short Circuit Current_Isc	A	7.65	7.58	7.51	7.43

### TEMPERATURE RATING

Nominal operating cell temperature(NOCT)	C	45±2
Temperature Coefficient of Pmax	%/C	-0.39
Temperature Coefficient of Isc	%/C	0.055
Temperature Coefficient of Voc	%/C	-0.31

### MAXIMUM RATING

Max. System Voltage	1500/1000Vdc
Operating Temperature	-40 ~ +85 C
Max. Series Fuse Rating	15A
Max. Mechanical load	5400Pa

### CONSTRUCTION MATERIALS

Solar cells	144-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 diodes
Cable	4mm <sup>2</sup> PV cable, 500mm
Connector	MC4 compatible

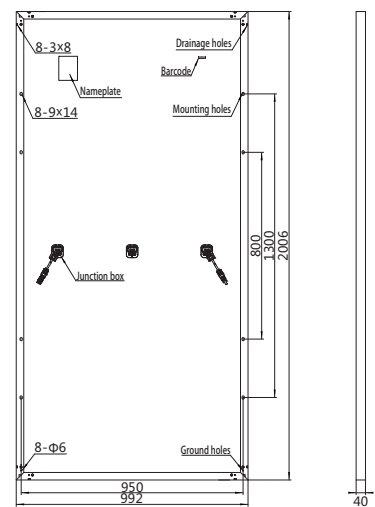
### GENERAL DATA

Module Dimension(L×W×H)	2006×992×40mm
Weight	22.5kg

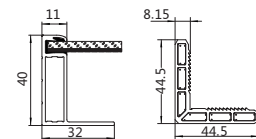
### PACKING

Modules per pallet	27
Pallets per 40' container	22
Packing box dimension(L×W×H)	2030×1140×1160mm

Unit:mm



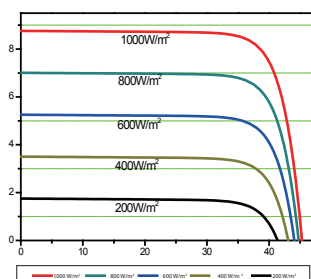
Module Back View



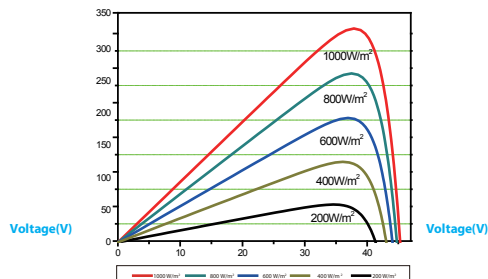
Section View

L-Key

Current(A)



Power(W)



Current(A)

