



Made in China

# LIGHTWAY SOLAR MODULE

## LW6MH60 Series KEY FEATURES

**19.85%**  
Max Efficiency

**335W**  
Max Peak Power

**12YEAR**  
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

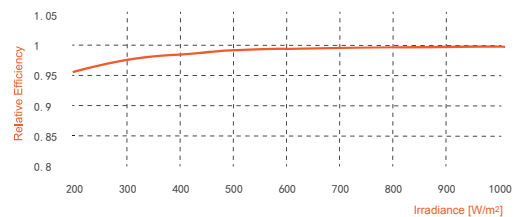
Module without potential induced degradation even under high temperature and high relative humidity condition



### System Certification

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

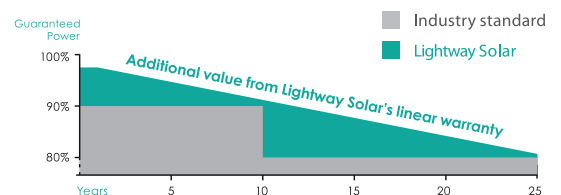
### PERFORMANCE AT LOW IRRADIANCE



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

- 12-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		LW6MH60-335(W)	LW6MH60-330(W)	LW6MH60-325(W)	LW6MH60-320(W)	LW6MH60-315(W)
Peak Power_Pmax	W	335	330	325	320	315
Power tolerance_ΔPmax	W	0,+5				
Voltage at Pmax_Vmpp	V	34.40	34.13	33.86	33.58	33.30
Current at Pmax_Imp	A	9.74	9.67	9.60	9.53	9.46
Open Circuit Voltage_Voc	V	41.12	40.87	40.62	40.36	40.10
Short Circuit Current_Isc	A	10.33	10.26	10.19	10.12	10.05
Module Efficiency_η		19.85%	19.56%	19.26%	18.96%	18.67%

## ELECTRICAL DATA @ NOCT

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

Module Type		LW6MH60-335(W)	LW6MH60-330(W)	LW6MH60-325(W)	LW6MH60-320(W)	LW6MH60-315(W)
Peak Power_Pmax	W	249.15	245.62	241.79	238.24	234.32
Voltage at Pmax_Vmpp	V	32.19	31.94	31.69	31.43	31.16
Current at Pmax_Imp	A	7.74	7.69	7.63	7.58	7.52
Open Circuit Voltage_Voc	V	38.49	38.25	38.02	37.78	37.53
Short Circuit Current_Isc	A	8.32	8.26	8.20	8.15	8.09

### TEMPERATURE RATING

Nominal operating cell temperature(NOCT)	C	45±2
Temperature Coefficient of Pmax	%/C	-0.350
Temperature Coefficient of Isc	%/C	0.051
Temperature Coefficient of Voc	%/C	-0.289

### MAXIMUM RATING

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

### CONSTRUCTION MATERIALS

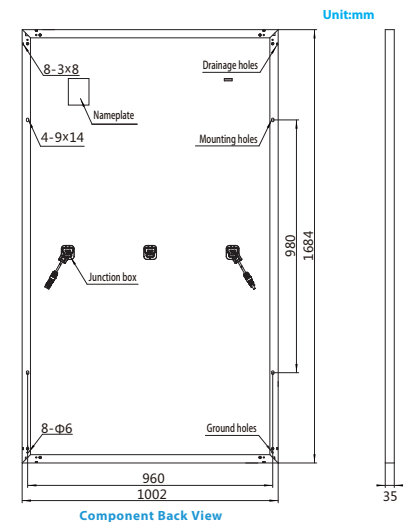
Solar cells	120 mono-silicon cells, 158.75mm*79.375mm
Glass	3.2mm low-iron tempered glass
Encapsulant	ethylene vinyl acetate(EVA)
Frame	anodized aluminium alloy(Black)
Junction Box	≥IP67 rated, 3 diodes
Cable	4mm <sup>2</sup> PV cable, 500mm
Connector	MC4 compatible

### GENERAL DATA

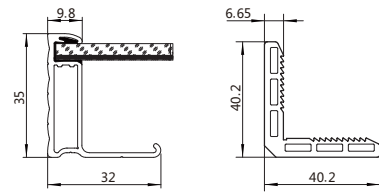
Module Dimension(L×W×H)	1684*1002*35mm
Weight	18.3kg

### PACKING

Modules per pallet	31
Pallets per 40' container	26
Packing box dimension(L×W×H)	1730X1140X1170mm



Component Back View



Section View

L-Key

