

Made In China

# LIGHTWAY SOLAR MODULE

## LWG1MH60 Series KEY FEATURES

**20.45%**  
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

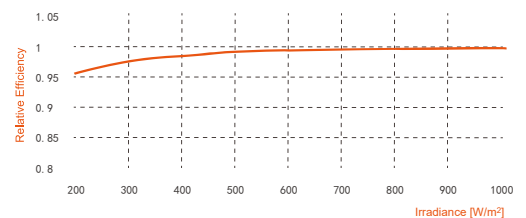
System output maximized by reducing mismatch losses up to 2% with modules sorted and package by amperage



### System Certification

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

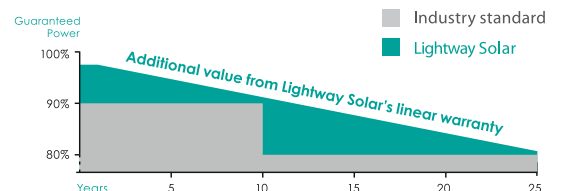
### PERFORMANCE AT LOW IRRADIANCE



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		LWG1MH60-345	LWG1MH60-340	LWG1MH60-335	LWG1MH60-330	LWG1MH60-325
Peak Power_Pmax	W	345	340	335	330	325
Power tolerance_ΔPmax		±3%				
Voltage at Pmax_Vmpp	V	34.92	34.66	34.40	34.13	33.86
Current at Pmax_Imp	A	9.88	9.81	9.74	9.67	9.60
Open Circuit Voltage_Voc	V	41.60	41.36	41.12	40.87	40.62
Open Circuit Voltage tolerance_Voc		±3%				
Short Circuit Current_Isc	A	10.47	10.40	10.33	10.26	10.19
Short Circuit Current tolerance_Isc		±4%				
Module Efficiency_η		20.45%	20.15%	19.85%	19.56%	19.26%

## ELECTRICAL DATA @ NOCT

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

Module Type		LWG1MH60-345	LWG1MH60-340	LWG1MH60-335	LWG1MH60-330	LWG1MH60-325
Peak Power_Pmax	W	256.54	253.03	249.15	245.62	241.79
Voltage at Pmax_Vmpp	V	32.68	32.44	32.19	31.94	31.69
Current at Pmax_Imp	A	7.85	7.80	7.74	7.69	7.63
Open Circuit Voltage_Voc	V	38.94	38.71	38.49	38.25	38.02
Short Circuit Current_Isc	A	8.43	8.37	8.32	8.26	8.20

### 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	1500VDC
Operating Temperature	-40 ~ +85 °C
Max. Series Fuse Rating	20A
Max. Mechanical load	3600Pa (downward) / 1600Pa (upward). γm=1.5
Fire Resistance Rating	Class C

### 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
Cable	4mm <sup>2</sup> PV cable, positive electrode 290mm, negative electrode 145mm (according to customer's requirement)
Installation method	clamp mounting, see installation manual for more

### Connector

Manufacture	Type
Zhejiang renhe Photovoltaic Technology Co.,Ltd/ Dongguan zherun electronics Technology Co.,Ltd/ QC Solar corporation	05-8/Z4S/QC4.10-cd

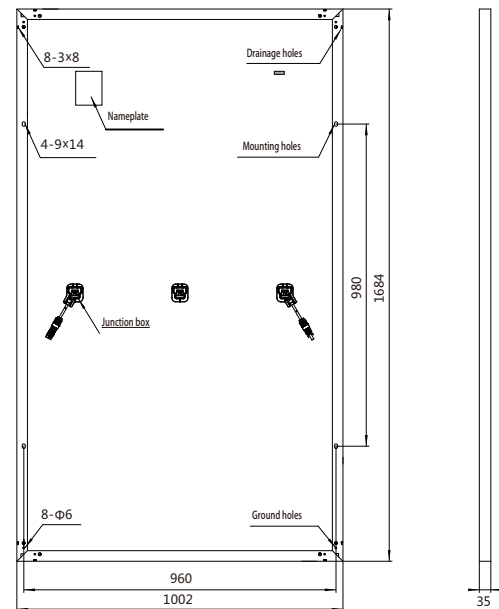
### GENERAL DATA

Module Dimension(L×W×H)	1684×1002×35mm
Weight	18.5kg

### PACKING

Modules per pallet	31
Pallets per 40' container	26
Packing box dimension(L×W×H)	1720*1140*1140mm

Unit:mm



Component Back View

