



Made In China

LIGHTWAY SOLAR MODULE

LWG1M60 Series KEY FEATURES

19.48%
Max
Efficiency

325W
Max Peak
Power

10YEAR
Product
Warranty

25YEAR
Linear Power
Warranty



Positive Tolerance 0-5W

Provides our customers with maximum power output



Electric Current Classification

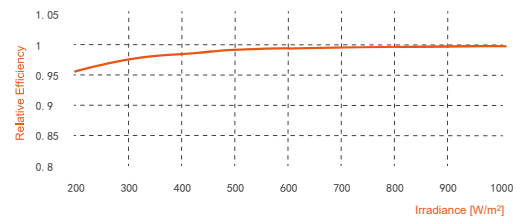
System output maximized by reducing mismatch losses up to 2% with modules sorted and package by amperage



System Certification

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

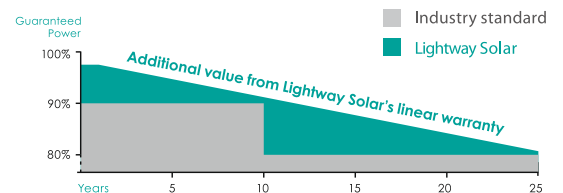
PERFORMANCE AT LOW IRRADIANCE



The typical relative change in module efficiency at an irradiance of 200W/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 > 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/m², cells temperature 25 C.

Module Type		LWG1M60-325	LWG1M60-320	LWG1M60-315	LWG1M60-310	LWG1M60-305	LWG1M60-300
Peak Power_Pmax	W	325	320	315	310	305	300
Power tolerance_ΔPmax		±3%					
Voltage at Pmax_Vmpp	V	33.45	33.17	32.89	32.61	32.32	32.03
Current at Pmax_Imp	A	9.72	9.65	9.58	9.51	9.44	9.37
Open Circuit Voltage_Voc	V	41.09	40.83	40.57	40.31	40.05	39.79
Open Circuit Voltage tolerance_Voc		±3%					
Short Circuit Current_Isc	A	10.21	10.14	10.07	10.00	9.93	9.86
Short Circuit Current tolerance_Isc		±3%					
Module Efficiency_η		19.48%	19.18%	18.88%	18.58%	18.28%	17.98%

ELECTRICAL DATA @ NOCT

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

Module Type		LWG1M60-325	LWG1M60-320	LWG1M60-315	LWG1M60-310	LWG1M60-305	LWG1M60-300
Peak Power_Pmax	W	241.95	238.08	234.54	230.73	226.88	223.35
Voltage at Pmax_Vmpp	V	31.30	31.04	30.78	30.52	30.25	29.98
Current at Pmax_Imp	A	7.73	7.67	7.62	7.56	7.50	7.45
Open Circuit Voltage_Voc	V	38.46	38.22	37.97	37.73	37.49	37.24
Short Circuit Current_Isc	A	8.22	8.16	8.11	8.05	7.99	7.94

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	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	60 mono - silicon cells, 158.75mm*158.75mm
Glass	3.2mm low-iron tempered glass
Encapsulant	ethylene vinyl acetate(EVA)
Frame	anodized aluminium alloy
Cable	4mm ² PV cable, 900mm (according to customer's requirement)
Installation method	clamp mounting, see installation manual for more

Connector

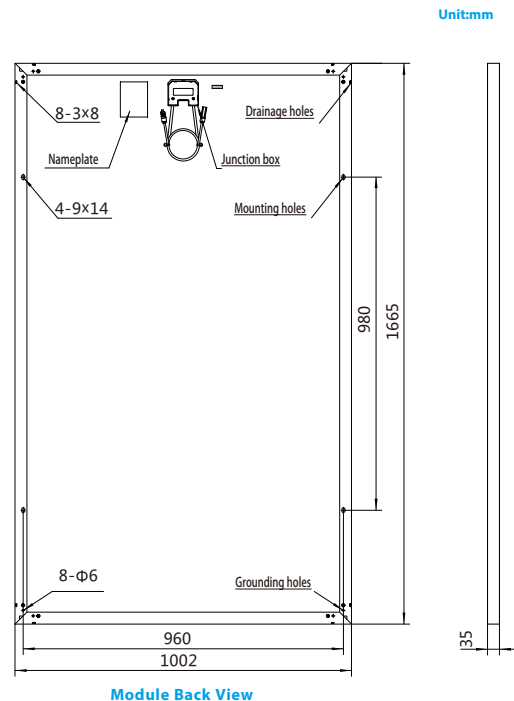
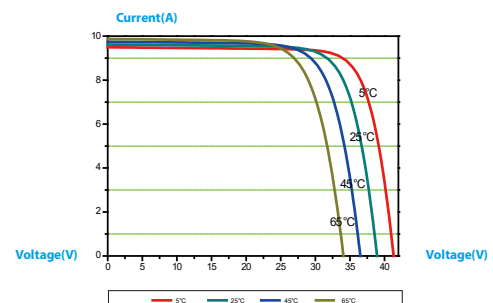
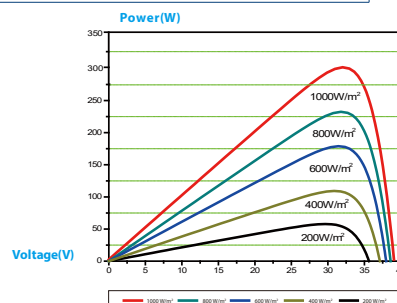
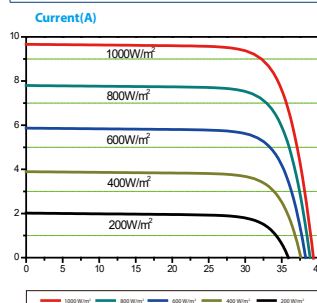
Manufacture	Type
Zhejiang renhe Photovoltaic Technology Co.,Ltd/ Dongguan zherun electronics Technology Co.,Ltd/ QC Solar corporation	05-8/Z4S/QC4.10-cd

GENERAL DATA

Module Dimension(L×W×H)	1665×1002×35mm
Weight	18.2kg

PACKING

Modules per pallet	31
Pallets per 40' container	28
Packing box dimension(L×W×H)	1705*1140*1140mm



Module Back View