

Made In China

LIGHTWAY SOLAR MODULE

LWG1MH60 Series KEY FEATURES

20.45%
Max
Efficiency

345W
Max Peak
Power

15YEAR
Product
Warranty

25YEAR
Linear Power
Warranty



Positive Tolerance 0-5W

Provides our customers with maximum power output



Electric Current Classification

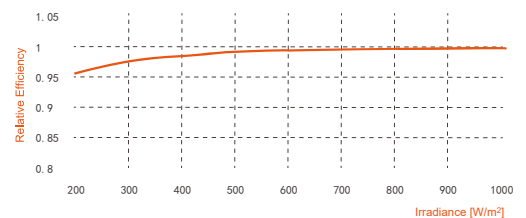
System output maximized by reducing mismatch losses up to 2% with modules sorted and package by amperage



System Certification

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

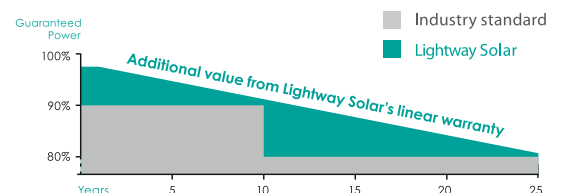
PERFORMANCE AT LOW IRRADIANCE



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

- 15-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		LWG1MH60-345W	LWG1MH60-340W	LWG1MH60-335W	LWG1MH60-330W	LWG1MH60-325W
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/m², ambient temperature 20°C, wind speed 1m/s.

Module Type		LWG1MH60-345W	LWG1MH60-340W	LWG1MH60-335W	LWG1MH60-330W	LWG1MH60-325W
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	1000VDC
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	9BB 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)
Cable	4mm ² PV cable, positive electrode 1200mm, negative electrode 1200mm
Installation method	clamp mounting, see installation manual for more

Connector

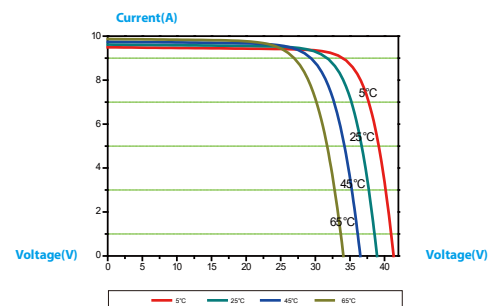
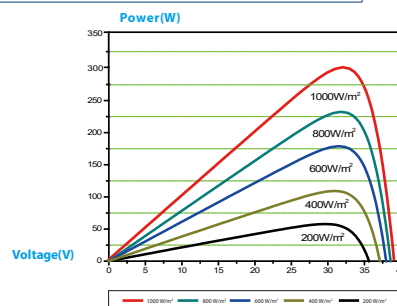
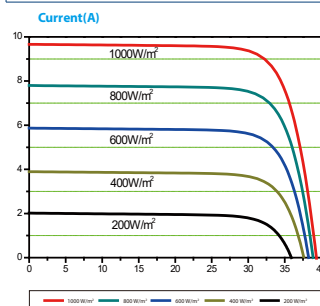
Manufacture	Type
Staubli	MC4 Genuine

GENERAL DATA

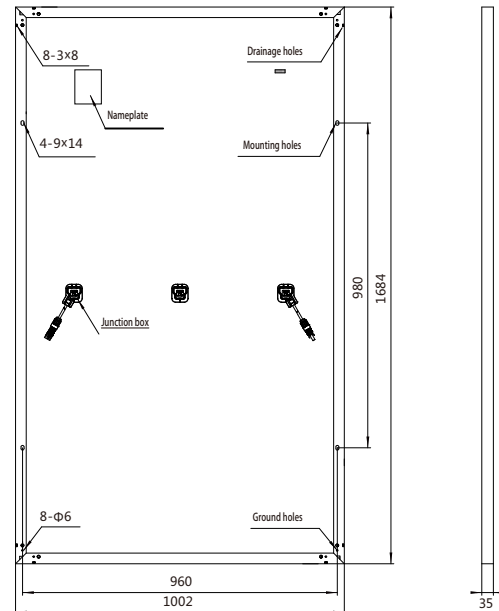
Module Dimension(L×W×H)	1684×1002×35mm
Weight	18.5kg

PACKING

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



Unit:mm



Component Back View