Made In China

LIGHTWAY
SOLAR MODULE

LWG1MH66 Series KEY FEATURES

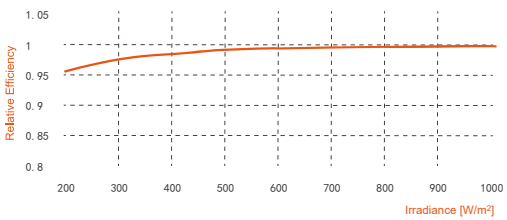
20.64%	380W	10YEAR	25YEAR
Max Efficiency	Max Peak Power	Product Warranty	Linear Power Warranty

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

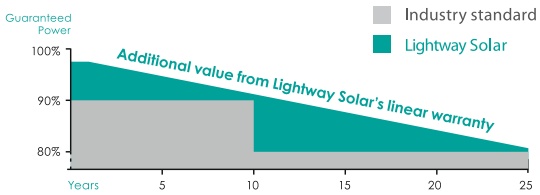
System Certification
ISO 9001:2015, ISO 14001:2015,
ISO 45001:2018

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



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ELECTRICAL DATA @ STC

Values at standard test condition STC: air mass AM 1.5, irradiance 1000W/m², cells temperature 25℃.

Module Type		LWG1MH66-380	LWG1MH66-375	LWG1MH66-370	LWG1MH66-365	LWG1MH66-360
Peak Power_Pmax	W	380	375	370	365	360
Power tolerance_ΔPmax		±3%				
Voltage at Pmax_Vmpp	V	38.45	38.17	37.89	37.60	37.31
Current at Pmax_Impp	A	9.89	9.83	9.77	9.71	9.65
Open Circuit Voltage_Voc	V	45.80	45.54	45.29	45.03	44.78
Open Circuit Voltage tolerance_Voc		±3%				
Short Circuit Current_Isc	A	10.46	10.40	10.34	10.28	10.22
Short Circuit Current tolerance_Isc		±4%				
Module Efficiency_η		20.64%	20.37%	20.09%	19.82%	19.55%

ELECTRICAL DATA @ NOCT

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

Module Type		LWG1MH66-380	LWG1MH66-375	LWG1MH66-370	LWG1MH66-365	LWG1MH66-360
Peak Power_Pmax	W	282.80	278.97	275.52	271.67	267.84
Voltage at Pmax_Vmpp	V	35.98	35.72	35.46	35.19	34.92
Current at Pmax_Impp	A	7.86	7.82	7.77	7.72	7.67
Open Circuit Voltage_Voc	V	42.87	42.63	42.39	42.15	41.91
Short Circuit Current_Isc	A	8.42	8.37	8.32	8.28	8.23

TEMPERATURE RATING

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

MAXIMUM RATING

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

CONSTRUCTION MATERIALS

Solar cells	132 mono - silicon cells, 158.75mm*79.375mm
Glass	3.2mm low-iron tempered glass
Encapsulant	ethylene vinyl acetate(EVA)
Frame	anodized aluminium alloy
Junction Box	≥IP67 rated
Cable	4mm² PV cable, positive electrode 290mm，negative electrode 145mm（according to customer's requirement）
Installation method	clamp mounting，see installation manual for more

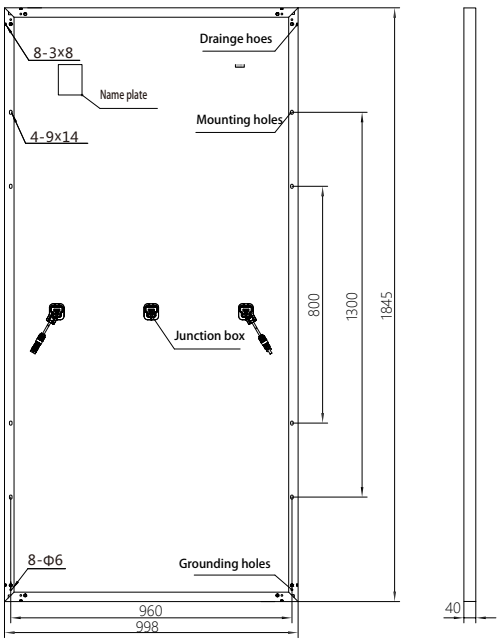
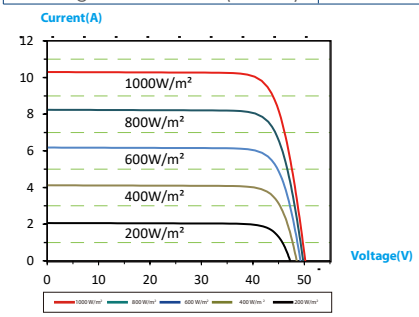
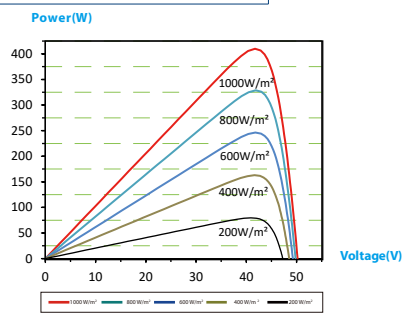
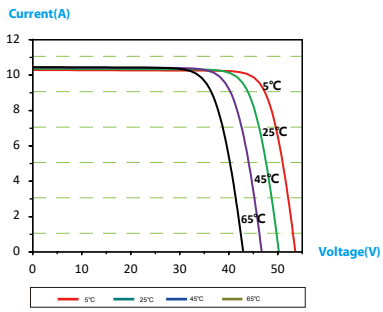
Connector

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)	1845*998*40mm
Weight	20.5kg

PACKING

Modules per pallet	27
Pallets per 40' container	24
Packing box dimension(L×W×H)	1885*1140*1140mm

Unit:mm