

LHM60H-158M-9BB 325-340W



High Efficiency Low LID Mono PERC with Half-cut Technology

High power output

- Multi busbar technology combined with mono PERC cells
- Reduced BOS costs with higher power bins and 1,500V system voltage

Great for residential rooftop application

- Maximize limited space with up to 202 W/m² power density
- Ultra-thin, virtually invisible busbars

Half-cut cell design brings higher efficiency

- Low thermal coefficients for higher energy yield at elevated operating temperatures
- Reduced interconnection losses

Highly reliable due to stringent quality control

- Over 30 in-house tests (UV, TC, HF, and many more)
- In-house testing goes well beyond certification requirements
- PID resistant
- 2x 100% inline EL inspection

Certified to withstand challenging environmental conditions

- Salt Mist Corrosion
- Ammonia Corrosion
- Blowing Sand

Founded in 2010, LH Energy is the world's leading comprehensive solutions provider for solar energy. We believe close cooperation with our partners is critical to success. LH Energy now distributes its PV products to over 60 countries all over the world. LH Energy is able to provide exceptional service to each customer in each market and supplement our innovative, reliable products with the backing of LH Energy as a strong, bankable partner. We are committed to building strategic, mutually beneficial collaboration with installers, developers, distributors and other partners.

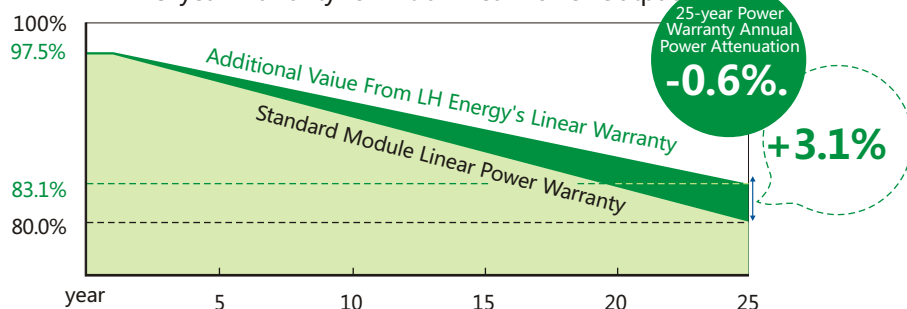
Comprehensive Product and System Certificates

IEC 61215, IEC 61730, UL 1703
IEC 61701 Salt Mist Corrosion
IEC 62716 Ammonia Corrosion
IEC 60068 Blowing Sand
ISO 9001; ISO 14001; OHSAS 18001



PERFORMANCE WARRANTY

12-year Warranty for Materials and Processing;
25-year Warranty for Extra Linear Power Output



LIGHT & HOPE

COMPANY NAME: LIGHT & HOPE ENERGY CO.,LTD

FACTORY ADD: 88/24-25 MOO 15. BANGSAOTHONG SUB- DISTRICT.
BANGSAOTHONG DISTRICT SAMUT PRAKARN THAILAND 10570

TAX ID: 0115562029595 **TEL:** +66 02 0001217 **Email:** sales@lh-solar.com

Website: www.lighthopeenergy.com

LHM60H-158MB-9BB

325-340W

Electrical Characteristics

Model Number
Testing Condition
Maximum Power (Pmax/W)
Open Circuit Voltage (Voc/V)
Short Circuit Current (Isc/A)
Voltage at Maximum Power (Vmp/V)
Current at Maximum Power (Imp/A)
Module Efficiency (%)

Electrical Characteristics

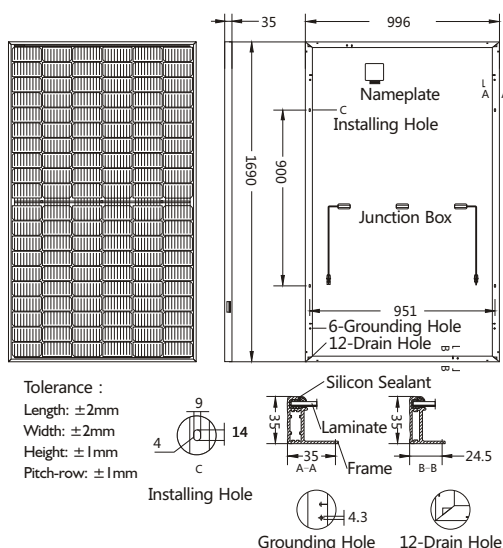
Test uncertainty for Pmax: ±3%

325W		330W		335W		340W	
STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
325	246	330	249	335	253	340	257
33.6	31.6	33.8	31.4	34.0	31.5	34.2	31.8
9.67	7.79	9.76	7.93	9.85	8.01	9.94	8.08
40.4	38.1	40.6	38.2	40.7	38.3	41.1	38.7
10.30	8.30	10.4	8.39	10.5	8.47	10.6	8.55
19.3		19.6		19.9		20.2	

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25°C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

Design (mm)



Mechanical & Operating Parameters

Cell Orientation	120 (6x20)
Junction Box	Ip68 rated
Output Cable	Photovoltaic Cable 12AG, 6.4mm Portrait: N 140mm/P 285mm, Landscape: N 1200 mm /P 1400 mm
Glass	3.2mm , High Transmission, AR Coated Tempered Glass
Frame	35 mm Anodized Aluminium Alloy
Weight	18.0kg
Dimension	1690×996×35mm
Packaging	30pcs per pallet 175pcs per 20'GP 780pcs per 40'HC
Operational Temperature	-40°C ~ +85°C
Power Output Tolerance	0~+5 W
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V (IEC)
Maximum Series Fuse Rating	20A
Nominal Operating Cell Temperature	41 ±3K
Safety Class	Class II
Fire Rating	UL

Temperature Ratings (STC)

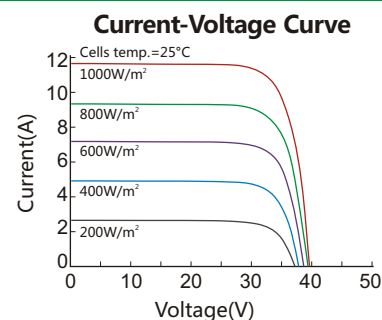
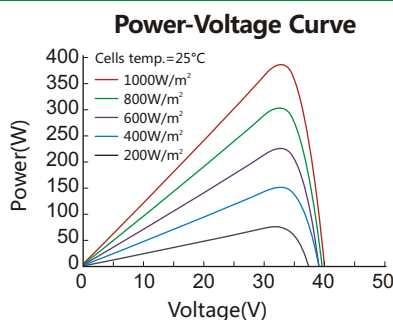
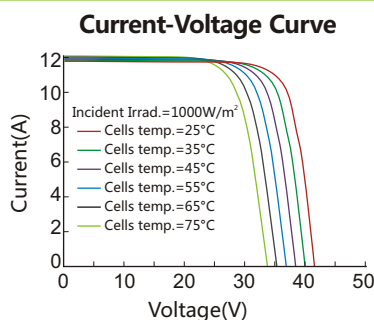
Temperature Coefficient of Isc	+0.04%/K
Temperature Coefficient of Voc	-0.26%/K
Temperature Coefficient of Pmax	-0.36%/K

Mechanical Loading

Front Side Maximum Static Loading	5400Pa(3600Pa*)
Rear Side Maximum Static Loading	2400Pa(1600Pa*)

*design load with safety factor 1.5(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

I-V Curve (LHM60H-158M-340W)



LIGHT & HOPE

COMPANY NAME: LIGHT & HOPE ENERGY CO.,LTD

FACTORY ADD: 88/24-25 MOO 15. BANGSAOTHONG SUB- DISTRICT.

BANGSAOTHONG DISTRICT SAMUT PRAKARN THAILAND 10570

TAX ID: 0115562029595 **TEL:** +66 02 0001217 **Email:** sales@lh-solar.com

Website: www.lighthopeenergy.com