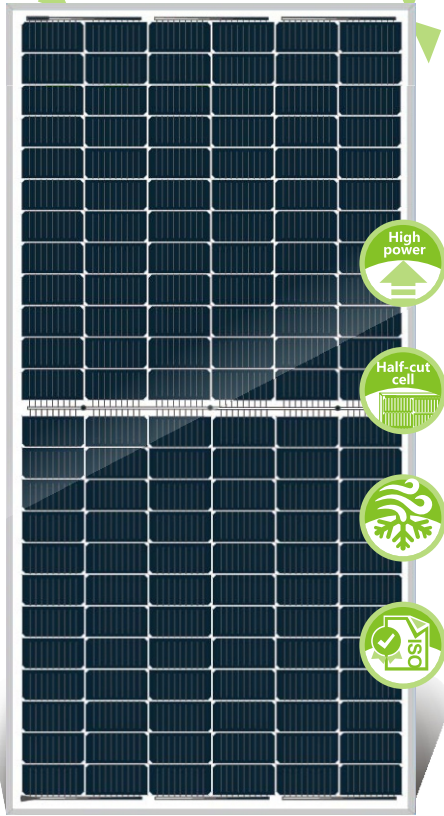


LHM72H-158M-9BB 370-390W



High Efficiency Low LID Mono PERC with Half-cut Technology

Positive power tolerance (0 ~ +5W) guaranteed

High module conversion efficiency (up to 19.5%)

Slower power degradation enabled by Low LID Mono PERC technology:
first year <2%, 0.55% year 2-25

Solid PID resistance ensured by solar cell process optimization and careful module BOM selection

Reduced resistive loss with lower operating current
Higher energy yield with lower operating temperature

Reduced hot spot risk with optimized electrical design and lower operating current

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO 9001:2008: ISO Quality Management System

ISO 14001:2004: ISO Environment Management System

TS62941: Guideline for module design qualification and type approval

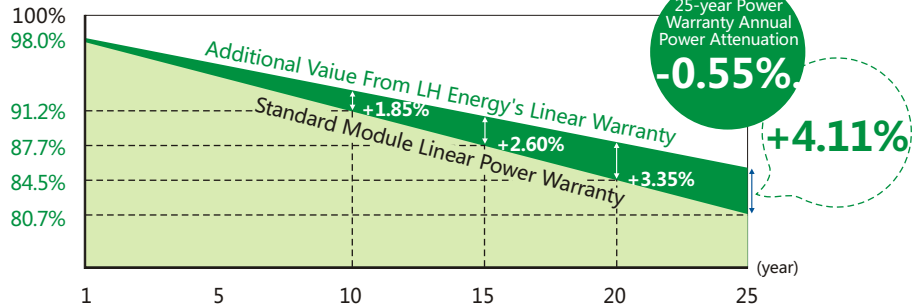
OHSAS 18001: 2007 Occupational Health and Safety



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.

* Specifications subject to technical changes and tests.
LH Energy reserves the right of interpretation.

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



LIGHT & HOPE

COMPANY NAME: LIGHT & HOPE ENERGY CO.,LTD

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BANGSAOTHONG DISTRICT SAMUT PRAKARN THAILAND 10570

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Website: www.lighthopeenergy.com

LHM72H-158M-9BB

370-390W

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

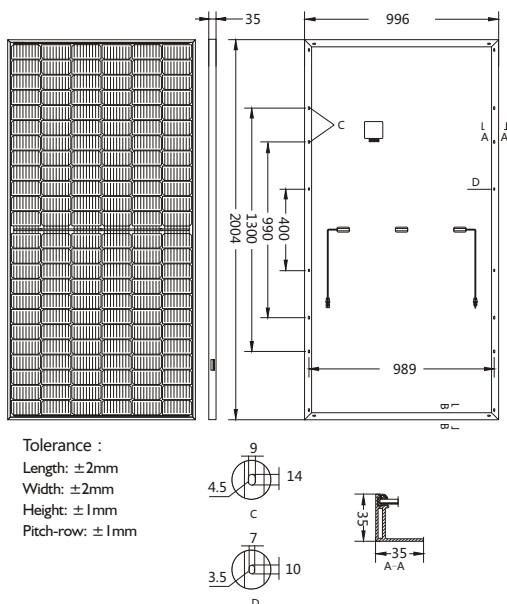
Test uncertainty for Pmax: ±3%

| | | 370W | | 375W | | 380W | | 385W | | 390W | |
|----------------------------------|--|------|-------|------|-------|------|-------|-------|-------|-------|-------|
| Testing Condition | | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax/W) | | 370 | 274.1 | 375 | 277.8 | 380 | 281.5 | 385 | 285.2 | 390 | 288.9 |
| Open Circuit Voltage (Voc/V) | | 48.6 | 45.4 | 48.8 | 45.6 | 49.0 | 45.7 | 49.2 | 46.0 | 49.5 | 46.2 |
| Short Circuit Current (Isc/A) | | 9.79 | 7.89 | 9.87 | 7.95 | 9.96 | 8.02 | 10.03 | 8.09 | 10.12 | 8.16 |
| Voltage at Maximum Power (Vmp/V) | | 40.2 | 37.1 | 40.4 | 37.3 | 40.6 | 37.5 | 40.8 | 37.7 | 41.0 | 37.9 |
| Current at Maximum Power (Imp/A) | | 9.21 | 7.38 | 9.28 | 7.44 | 9.36 | 7.50 | 9.43 | 7.57 | 9.51 | 7.62 |
| Module Efficiency (%) | | 18.5 | | 18.8 | | 19.0 | | 19.3 | | 19.5 | |

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 | 144 (6x24) |
| Junction Box | IP67, three diodes |
| Output Cable | 4mm ² , 300mm in length, length can be customized |
| Glass | Single glass 3.2mm coated tempered glass |
| Frame | Anodized aluminum alloy frame |
| Weight | 23.0kg |
| Dimension | 2004×996×35mm |
| Packaging | 30pcs per pallet 150pcs per 20'/GP 660pcs 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/UL) |
| Maximum Series Fuse Rating | 20A |
| Nominal Operating Cell Temperature | 45±2°C |
| Safety Class | Class II |
| Fire Rating | UL |

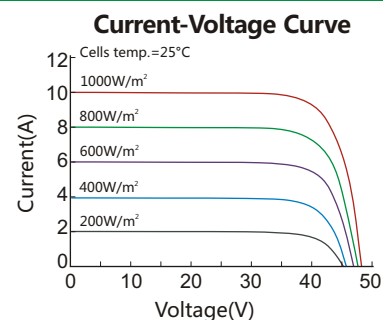
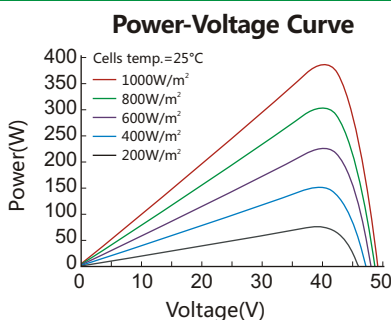
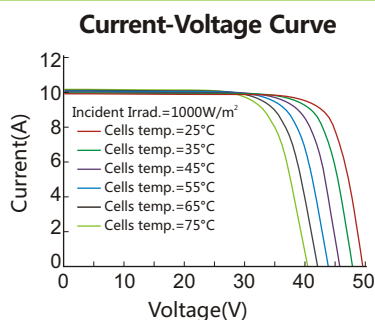
Temperature Ratings (STC)

| | |
|---------------------------------|------------|
| Temperature Coefficient of Isc | +0.057%/°C |
| Temperature Coefficient of Voc | -0.286%/°C |
| Temperature Coefficient of Pmax | -0.370%/°C |

Mechanical Loading

| | |
|-----------------------------------|--------------------------------------|
| Front Side Maximum Static Loading | 5400Pa |
| Rear Side Maximum Static Loading | 2400Pa |
| Hailstone Test | 25mm Hailstone at the speed of 23m/s |

I-V Curve (LHM72H-158M-380W)



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