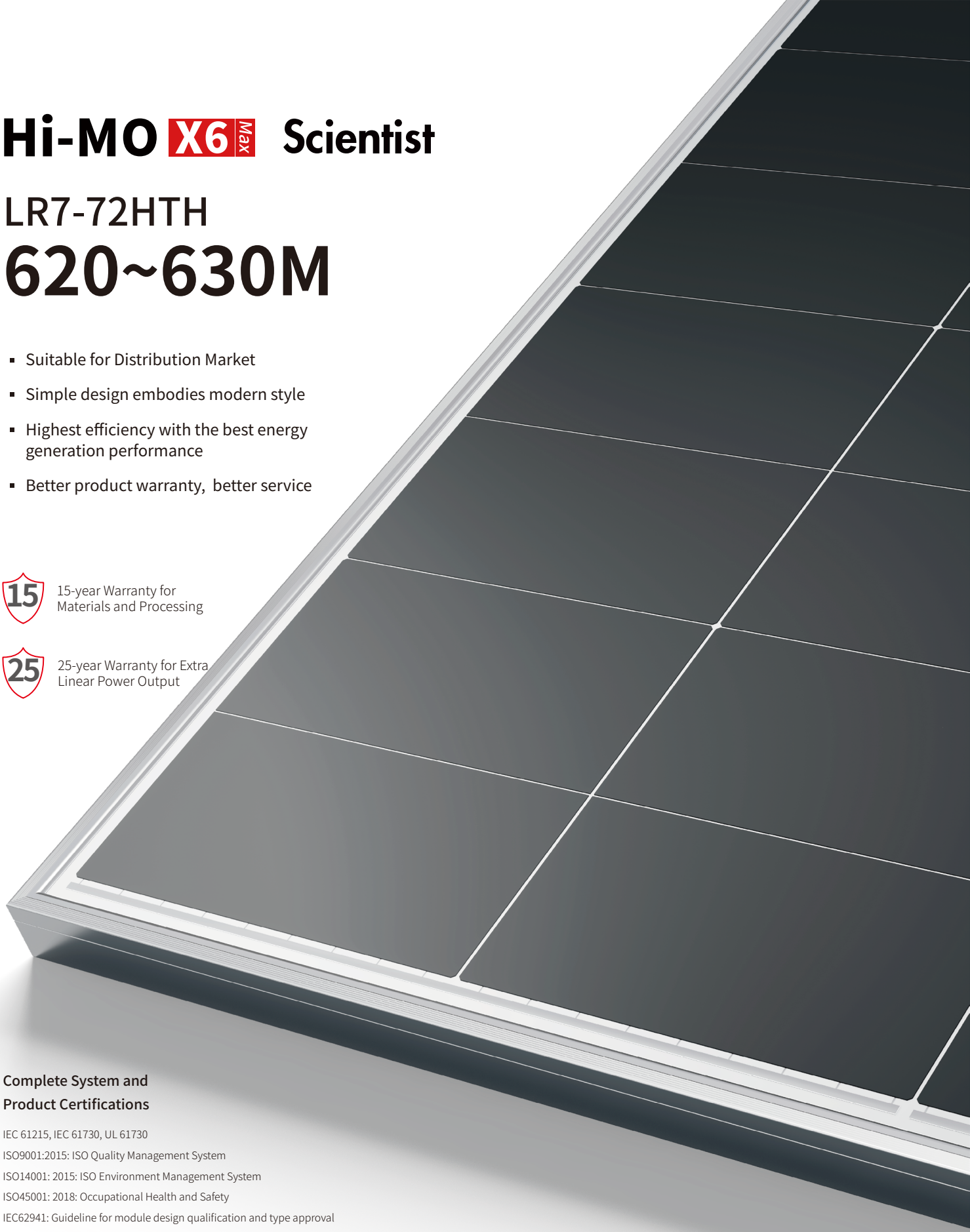
# Hi-MO X6 Max Scientist

## LR7-72HTH
# 620~630M

- Suitable for Distribution Market
- Simple design embodies modern style
- Highest efficiency with the best energy generation performance
- Better product warranty, better service

15 15-year Warranty for Materials and Processing

25 25-year Warranty for Extra Linear Power Output



**Complete System and Product Certifications**

IEC 61215, IEC 61730, UL 61730

ISO9001:2015: ISO Quality Management System

ISO14001: 2015: ISO Environment Management System

ISO45001: 2018: Occupational Health and Safety

IEC62941: Guideline for module design qualification and type approval

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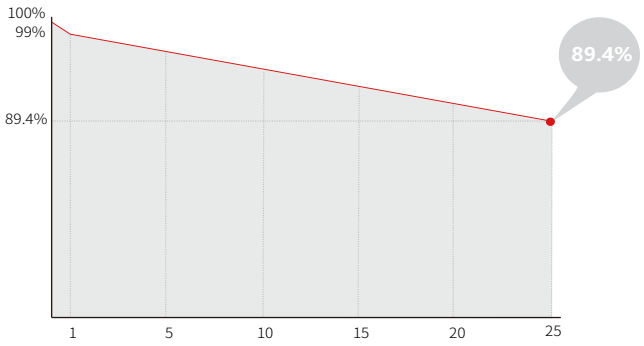
# Hi-MO X6 Max Scientist

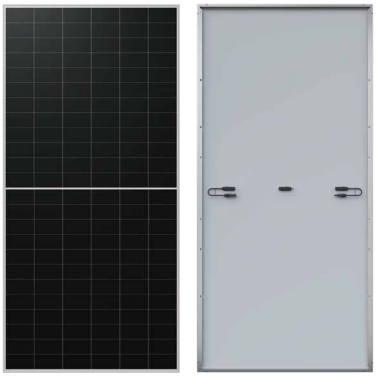
# LR7-72HTH 620~630M

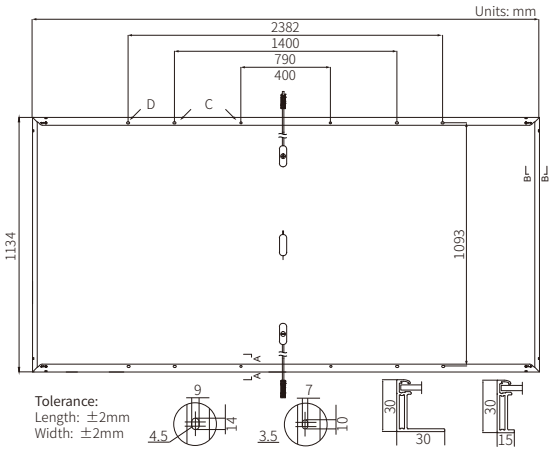
| 23.3% | 0~3% | <1% | 0.40% |
|---|---|---|---|
| MAX MODULE EFFICIENCY | POWER TOLERANCE | FIRST YEAR POWER DEGRADATION | YEAR 2-25 POWER DEGRADATION |

## Additional Value

25-Year Power Warranty






## Mechanical Parameters

| | |
|---|---|
| Cell Orientation | 144 (6×24) |
| Junction Box | IP68 |
| Output Cable | 4mm², +400, -200mm/±1400mm length can be customized |
| Glass | Single glass, 3.2mm coated tempered glass |
| Frame | Anodized aluminum alloy frame |
| Weight | 28.5kg |
| Dimension | 2382×1134×30mm |
| Packaging | 36pcs per pallet / 144pcs per 20' GP / 720pcs per 40' HC |

## Electrical Characteristics

STC : AM1.5 1000W/m² 25°C NOCT : AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax: ±3%

| Module Type | LR7-72HTH-620M | | LR7-72HTH-625M | | LR7-72HTH-630M | |
|---|---|---|---|---|---|---|
| Testing Condition | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax/W) | 620 | 463.4 | 625 | 467.1 | 630 | 470.8 |
| Open Circuit Voltage (Voc/V) | 52.72 | 49.59 | 52.87 | 49.64 | 53.02 | 49.78 |
| Short Circuit Current (Isc/A) | 14.93 | 12.06 | 15.01 | 12.12 | 15.07 | 12.17 |
| Voltage at Maximum Power (Vmp/V) | 44.48 | 40.59 | 44.63 | 40.73 | 44.78 | 40.87 |
| Current at Maximum Power (Imp/A) | 13.94 | 11.42 | 14.01 | 11.47 | 14.07 | 11.52 |
| Module Efficiency(%) | 23.0 | | 23.1 | | 23.3 | |

## Operating Parameters

| | |
|---|---|
| Operational Temperature | -40°C ~ +85°C |
| Power Output Tolerance | 0 ~ 3% |
| Maximum System Voltage | DC1500V (IEC/UL) |
| Maximum Series Fuse Rating | 25A |
| Nominal Operating Cell Temperature | 45±2°C |
| Protection Class | Class II |
| Fire Rating | IEC Class 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 |

## Temperature Ratings (STC)

| | |
|---|---|
| Temperature Coefficient of Isc | +0.050%/°C |
| Temperature Coefficient of Voc | -0.230%/°C |
| Temperature Coefficient of Pmax | -0.280%/°C |

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Specifications included in this datasheet are subject to change without notice. LONGi reserves the right of final interpretation. (20240511 V2) DG