Hi-MO X6 Explorer

LR7-72HTH 605~615M

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



15-year Warranty for Materials and Processing



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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22.8%

MAX MODULE
EFFICIENCY

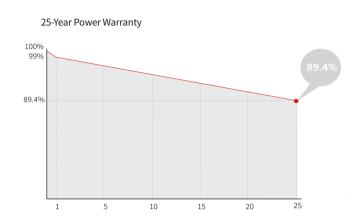
0~3%

POWER

TOLERANCE

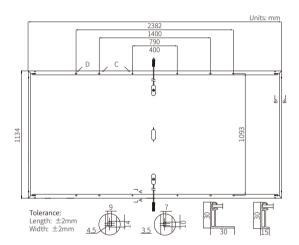
<1% FIRST YEAR POWER DEGRADATION 0.40% YEAR 2-25 POWER DEGRADATION

Additional Value



Mechanical Parameters

| Cell Orientation | 144 (6×24) | |
|------------------|--|--|
| Junction Box | IP68 | |
| Output Cable | 4mm 2 , +400, -200mm/ \pm 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/m ² 25°C | | NOCT: AM1.5 800W/m ² 20°C 1m/s | | Test uncertainty for Pmax: ±3% | |
|-----------------------------------|--------------------------------------|-------|---|----------|--------------------------------|---------|
| Module Type | LR7-72HTH-605M | | LR7-72F | HTH-610M | LR7-72H | TH-615M |
| Testing Condition | STC | NOCT | STC | NOCT | STC | NOCT |
| Maximum Power (Pmax/W) | 605 | 452.1 | 610 | 455.9 | 615 | 459.6 |
| Open Circuit Voltage (Voc/V) | 52.27 | 49.17 | 52.42 | 49.22 | 52.57 | 49.36 |
| Short Circuit Current (Isc/A) | 14.74 | 11.91 | 14.80 | 11.95 | 14.87 | 12.01 |
| Voltage at Maximum Power (Vmp/V) | 44.03 | 40.18 | 44.18 | 40.32 | 44.33 | 40.46 |
| Current at Maximum Power (Imp/A) | 13.75 | 11.26 | 13.81 | 11.31 | 13.88 | 11.36 |
| Module Efficiency(%) | 22 | 2.4 | 2 | 2.6 | 22 | 2.8 |

Operating Parameters

| operating: arameters | | |
|------------------------------------|------------------|--|
| 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℃ | |
| Protection Class | Class II | |
| Fire Rating | IEC Class C | |

Mechanical Loading

Temperature Coefficient of Voc

Temperature Coefficient of Pmax

| 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 | | | |



-0.230%/°C

-0.280%/°C