

Gigalumi SL-M10S

395-415W

21.25%
Maximum Efficiency

0~+5W
Power Tolerance



High Power Output



PID Resistance



Longer Service Life

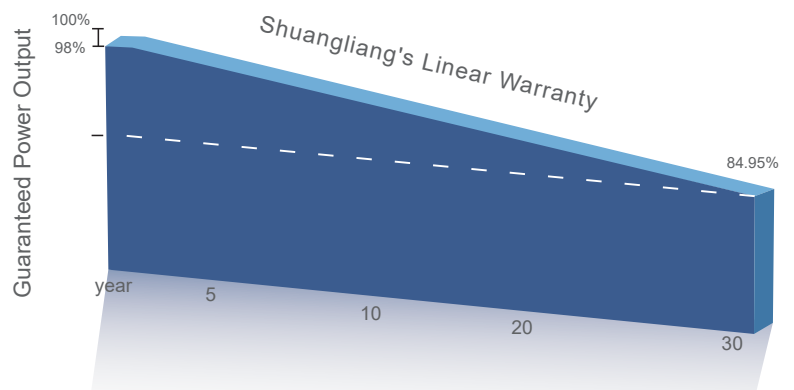


Double Side
Power Generation



LINEAR PERFORMANCE WARRANTY

- 12 Year Product Warranty
- 30 Year Linear Power Warranty



COMPREHENSIVE CERTIFICATES

- ISO 45001: 2018 Occupational Health and Safety Management System
- ISO 14001: 2015 Environmental Management System
- ISO 9001: 2015 Quality Management System
- IEC 61215 / IEC 61730 / IEC 61701 / IEC 62716
IEC 62804 / IEC 62782 / IEC60068



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ELECTRICAL DATA (STC)

| | | | | | |
|---------------------------------|--------|--------|--------|--------|--------|
| Peak Power Watts-PMAX (Wp) | 395 | 400 | 405 | 410 | 415 |
| Power Output Tolerance-PMAX (W) | 0 ~ +5 | | | | |
| Maximum Power Voltage-VMPP (V) | 30.60V | 30.80V | 31.00V | 31.20V | 31.40V |
| Maximum Power Current-IMPP(A) | 12.91A | 12.99A | 13.07A | 13.15A | 13.22A |
| Open Circuit Voltage-Voc (V) | 36.60V | 36.80V | 37.00V | 37.20V | 37.40V |
| Short Circuit Current-ISC(A) | 13.72A | 13.79A | 13.85A | 13.91A | 13.97A |
| Module Efficiency (%) | 20.23% | 20.48% | 20.74% | 21.00% | 21.25% |

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5

TEMPERATURE RATINGS

| | |
|----------------------------------|------------|
| Temperature Coefficients of Pmax | -0.350%/°C |
| Temperature Coefficients of Voc | -0.270%/°C |
| Temperature Coefficients of Isc | 0.048%/°C |

MAXIMUM RATINGS

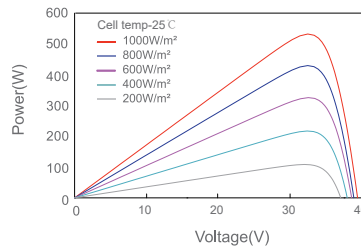
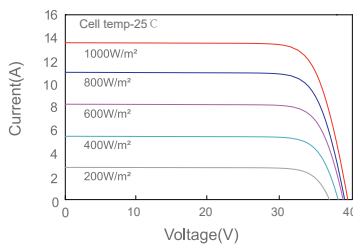
| | |
|-------------------------|-----------|
| Operational Temperature | -40~+85 C |
| Maximum System Voltage | 1500V |
| Max Series Fuse Rating | 25A |

(DO NOT connect Fuse in Combiner Box with two or more strings in parallel connection)

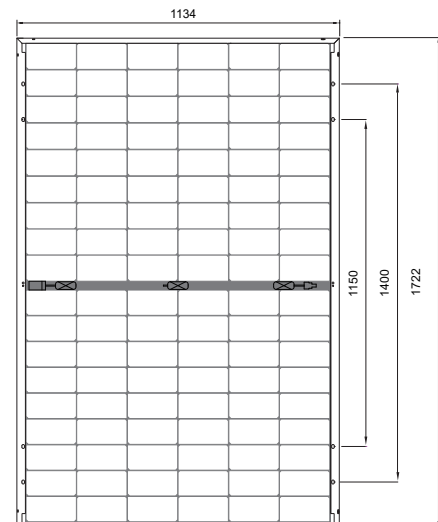
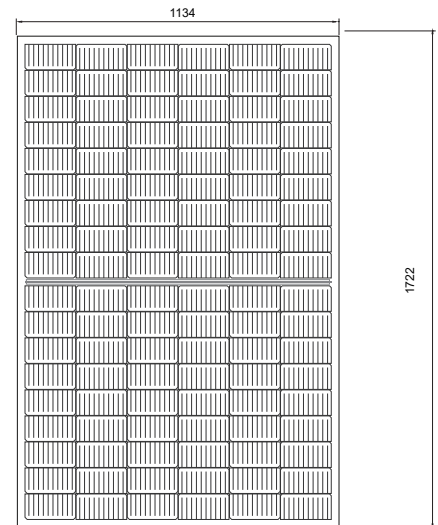
DOUBLE SIDE POWER GENERATION DATA (BACKSIDE GAIN)

| | | | | | | |
|-----|-----------------------|--------|--------|--------|--------|--------|
| 5% | Pmax (Wp) | 415Wp | 420Wp | 425Wp | 431Wp | 436Wp |
| | Module Efficiency (%) | 21.25% | 21.51% | 21.76% | 22.07% | 22.33% |
| 15% | Pmax (Wp) | 454Wp | 460Wp | 466Wp | 472Wp | 477Wp |
| | Module Efficiency (%) | 23.25% | 23.56% | 23.86% | 24.17% | 24.43% |
| 25% | Pmax (Wp) | 494Wp | 500Wp | 506Wp | 513Wp | 519Wp |
| | Module Efficiency (%) | 25.30% | 25.60% | 25.91% | 26.27% | 26.58% |

CHARACTERISTICS



MECHANICAL DIAGRAMS



MECHANICAL DATA

| | |
|-------------------|--|
| Solar Cells | P Type Monocrystalline 182×91mm |
| Cell Orientation | 108 cells (6×18) |
| Module Dimensions | 1722×1134×30mm |
| Weight | 25kg |
| Glass | 2.0mm (0.08 inches), High Transmission, AR Coated Tempered Glass |
| Back glass | 2.0mm mesh glaze plating |
| Frame | Silver Anodized Aluminium Alloy |
| J-Box | IP 68 rated |
| Cables | (+):300mm, (-):300mm or Customized Length |
| Connector | MC4 or MC4 Compatible |

PACKAGING CONFIGURATION

Modules per box: 36 pieces

Modules per 40' HQ container: 936pieces

