

# Gigalumi SL-M10S

530-555W

21.48%  
Maximum Efficiency

0~+5W  
Power Tolerance



High Power Output



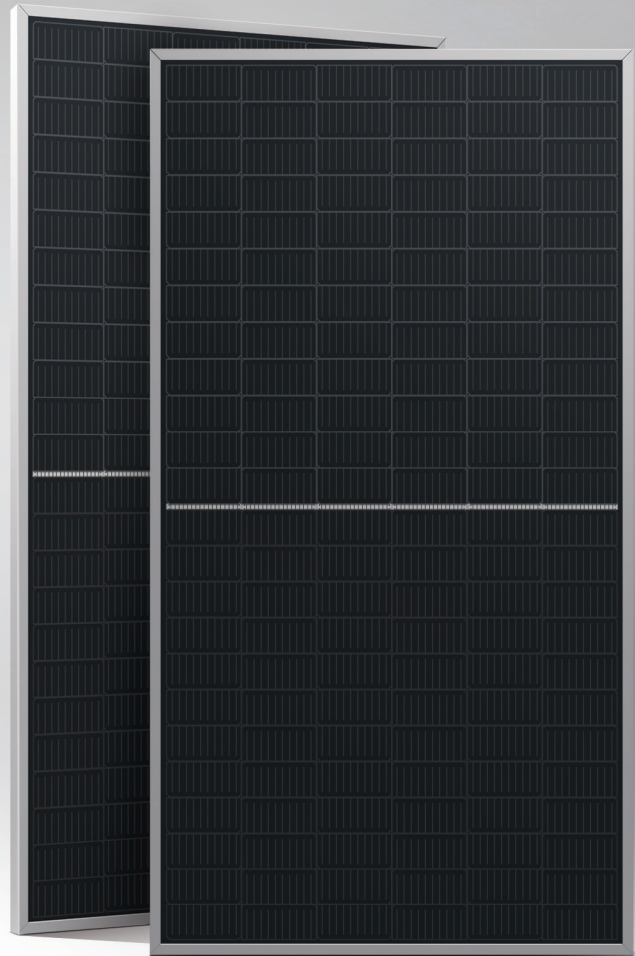
PID Resistance



Longer Service Life

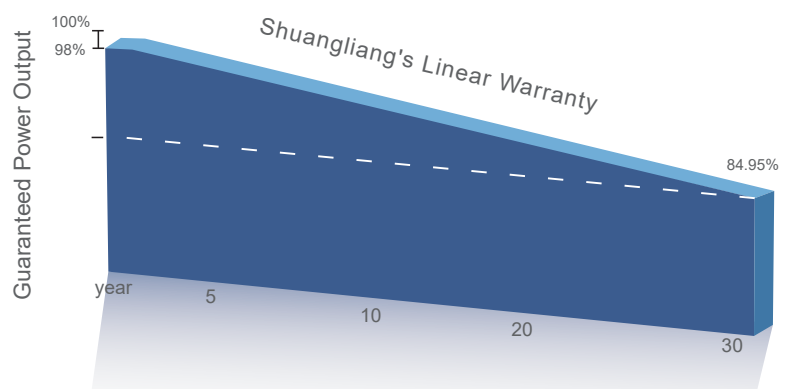


Double Side  
Power Generation



## 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)      | 530    | 535    | 540    | 545    | 550    | 555    |
| Power Output Tolerance-PMAX (W) | 0 ~ +5 |        |        |        |        |        |
| Maximum Power Voltage-VMPP (V)  | 41.23V | 41.41V | 41.64V | 41.83V | 41.97V | 42.11V |
| Maximum Power Current-IMPP(A)   | 12.86A | 12.92A | 12.97A | 13.03A | 13.12A | 13.18A |
| Open Circuit Voltage-Voc (V)    | 49.23V | 49.34V | 49.60V | 49.66V | 49.84V | 50.02V |
| Short Circuit Current-ISC(A)    | 13.72A | 13.81A | 13.86A | 13.96A | 14.03A | 14.07A |
| Module Efficiency (%)           | 20.52% | 20.71% | 20.90% | 21.10% | 21.29% | 21.48% |

STC: Irradiance 1000W/m<sup>2</sup>, 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

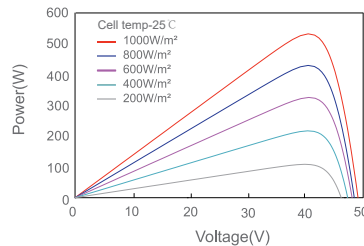
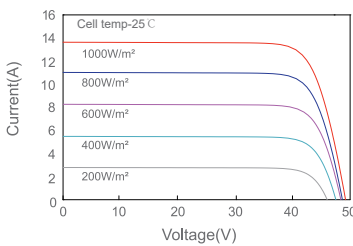
|                         |           |
|-------------------------|-----------|
| Operational Temperature | -40~+85°C |
| Maximum System Voltage  | 1500V     |
| Max Series Fuse Rating  | 25A       |

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

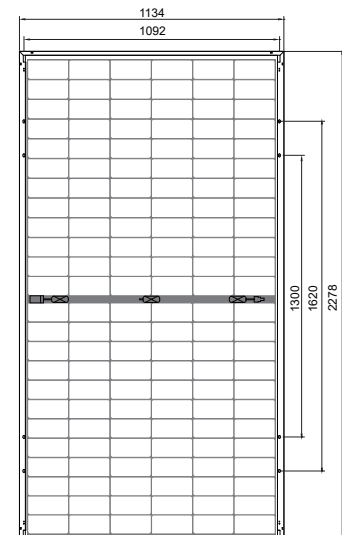
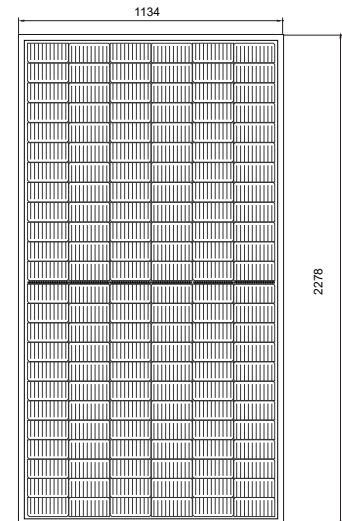
## DOUBLE SIDE POWER GENERATION DATA (BACKSIDE GAIN)

|     |                       |        |        |        |        |        |        |
|-----|-----------------------|--------|--------|--------|--------|--------|--------|
| 5%  | Pmax (Wp)             | 557Wp  | 562Wp  | 567Wp  | 572Wp  | 578Wp  | 583Wp  |
|     | Module Efficiency (%) | 21.56% | 21.76% | 21.95% | 22.14% | 22.37% | 22.57% |
| 15% | Pmax (Wp)             | 610Wp  | 615Wp  | 621Wp  | 627Wp  | 633Wp  | 638Wp  |
|     | Module Efficiency (%) | 23.61% | 23.81% | 24.04% | 24.27% | 24.50% | 24.70% |
| 25% | Pmax (Wp)             | 663Wp  | 669Wp  | 675Wp  | 681Wp  | 688Wp  | 694Wp  |
|     | Module Efficiency (%) | 25.67% | 25.90% | 26.13% | 26.36% | 26.63% | 26.87% |

## CHARACTERISTICS



## MECHANICAL DIAGRAMS



## MECHANICAL DATA

|                   |  |
|-------------------|--|
| Solar Cells       | P Type Monocrystalline 182×91mm                                  |
| Cell Orientation  | 144 cells (6×24)   |
| Module Dimensions | 2278×1134×30mm   |
| Weight            | 32kg   |
| 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: 720 pieces

