

# Gigalumi SL-M10

440-460W

21.26%  
Maximum Efficiency

0~+5W  
Power Tolerance



High Power Output



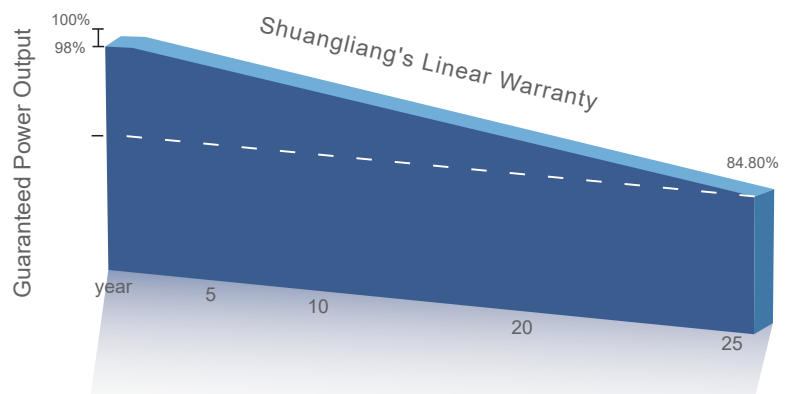
PID Resistance



Longer Service Life

## LINEAR PERFORMANCE WARRANTY

- 12 Year Product Warranty
- 25 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)	440	445	450	455	460
Power Output Tolerance-PMAX (W)	0 ~ +5				
Maximum Power Voltage-VMPP (V)	34.40V	34.60V	34.80V	35.00V	35.20V
Maximum Power Current-IMPP(A)	12.79A	12.86A	12.93A	13.00A	13.07A
Open Circuit Voltage-Voc (V)	41.20V	41.40V	41.60V	42.80V	42.00V
Short Circuit Current-ISC(A)	13.58A	13.64A	13.70A	13.76A	13.83A
Module Efficiency (%)	20.34%	20.57%	20.80%	21.03%	21.26%
STC: Irradiance 1000W/m <sup>2</sup> , Cell Temperature 25°C, Air Mass AM1.5					

## TEMPERATURE RATINGS

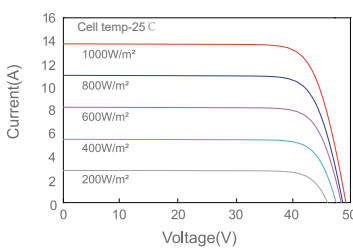
Temperature Coefficients of Pmax	-0.350%/°C
Temperature Coefficients of Voc	-0.270%/°C
Temperature Coefficients of Isc	0.048%/°C

## MAXIMUM RATINGS

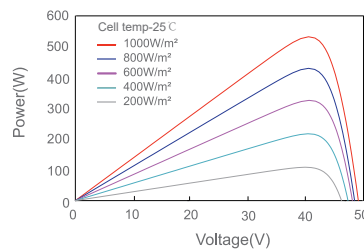
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V
Max Series Fuse Rating	25A

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

## CHARACTERISTICS

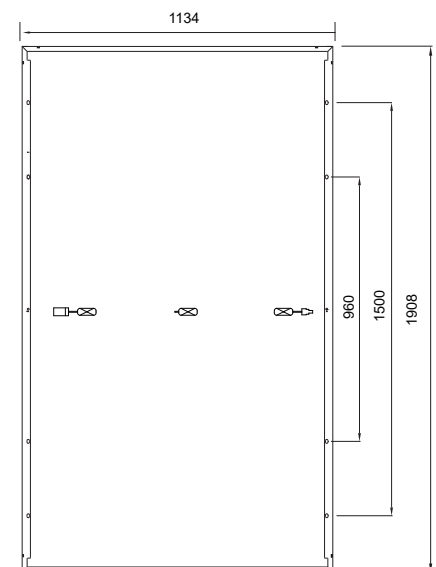
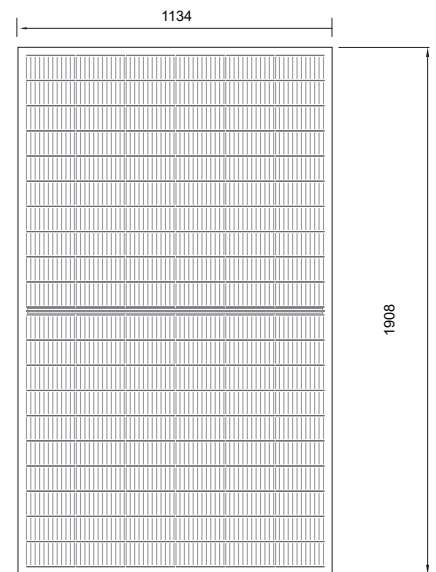


Current-Voltage Curve



Power-Voltage Curve

## MECHANICAL DIAGRAMS



## MECHANICAL DATA

Solar Cells	P Type Monocrystalline 182×91mm
Cell Orientation	120 cells (6×20)
Module Dimensions	1908×1134×30mm
Weight	24kg
Glass	3.2mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	White
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: 864 pieces

