

# Gigalumi SL-M10NS

550-585W

22.65%  
Maximum Efficiency

0~+5W  
Power Tolerance



High Power Output



PID Resistance



Longer Service Life

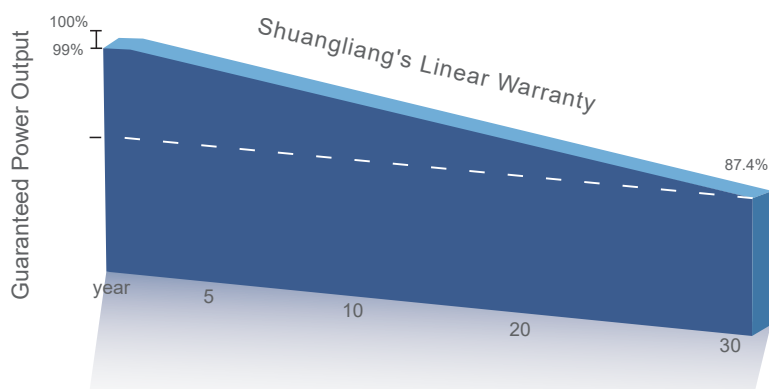


Double Side  
Power Generation



## 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)	550	555	560	565	570	575	580	585
Power Output Tolerance-PMAX (W)	0~+5							
Maximum Power Voltage-VMPP (V)	41.55V	41.73V	41.92V	42.07V	42.26V	42.45V	42.64V	42.83V
Maximum Power Current-IMPP(A)	13.24A	13.30A	13.36A	13.43A	13.49A	13.55A	13.61A	13.67A
Open Circuit Voltage-Voc (V)	50.28V	50.47V	50.68V	50.87V	51.08V	51.29V	51.50V	51.71V
Short Circuit Current-ISC(A)	14.02A	14.08A	14.14A	14.20A	14.26A	14.30A	14.34A	14.40A
Module Efficiency (%)	21.29%	21.48%	21.68%	21.87%	22.07%	22.26%	22.45%	22.65%

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

## TEMPERATURE RATINGS

Temperature Coefficients of Pmax	-0.300%/°C
Temperature Coefficients of Voc	-0.260%/°C
Temperature Coefficients of Isc	0.045%/°C

## MAXIMUM RATINGS

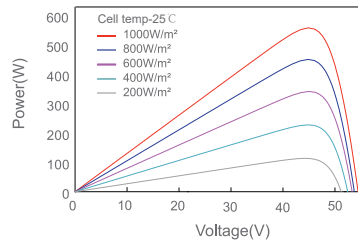
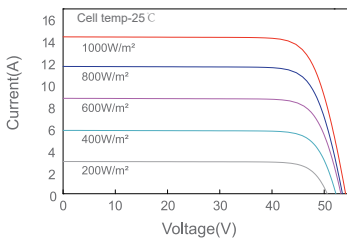
Operational Temperature	-40~+85 C
Maximum System Voltage	1500V
Max Series Fuse Rating	30A

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

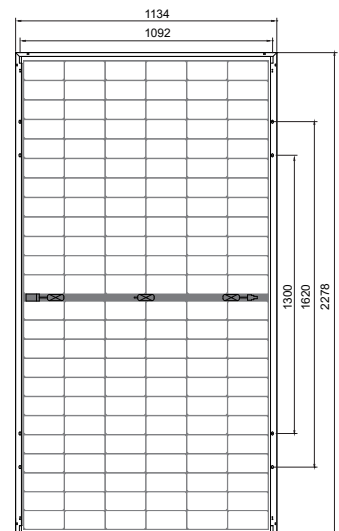
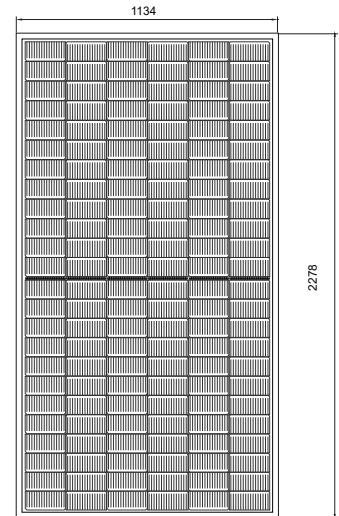
## DOUBLE SIDE POWER GENERATION DATA (BACKSIDE GAIN)

5%	Pmax (Wp)	578Wp	583Wp	588Wp	593Wp	599Wp	604Wp	609Wp	614Wp
	Module Efficiency (%)	22.37%	22.57%	22.77%	22.96%	23.19%	23.38%	23.57%	23.77%
15%	Pmax (Wp)	633Wp	638Wp	644Wp	650Wp	656Wp	661Wp	667Wp	673Wp
	Module Efficiency (%)	24.50%	24.70%	24.93%	25.16%	25.39%	25.59%	25.82%	26.05%
25%	Pmax (Wp)	688Wp	694Wp	700Wp	706Wp	713Wp	719Wp	725Wp	731Wp
	Module Efficiency (%)	26.63%	26.87%	27.10%	27.33%	27.60%	27.83%	28.07%	28.30%

## CHARACTERISTICS



## MECHANICAL DIAGRAMS



## MECHANICAL DATA

Solar Cells	N 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

