

Gigalumi SL-M10NS

460-475W

21.95%
Maximum Efficiency

0~+5W
Power Tolerance



High Power Output



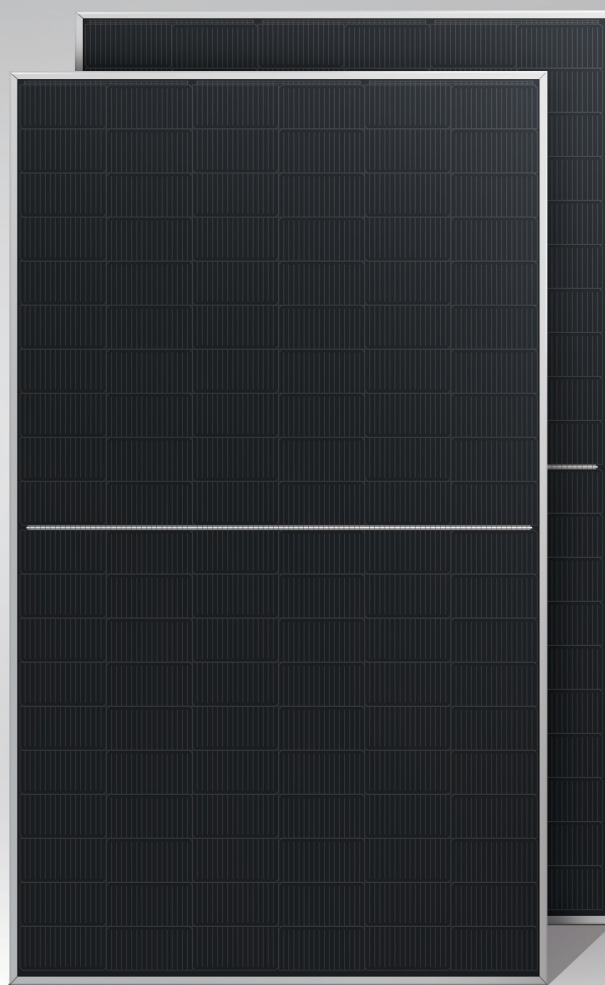
PID Resistance



Longer Service Life

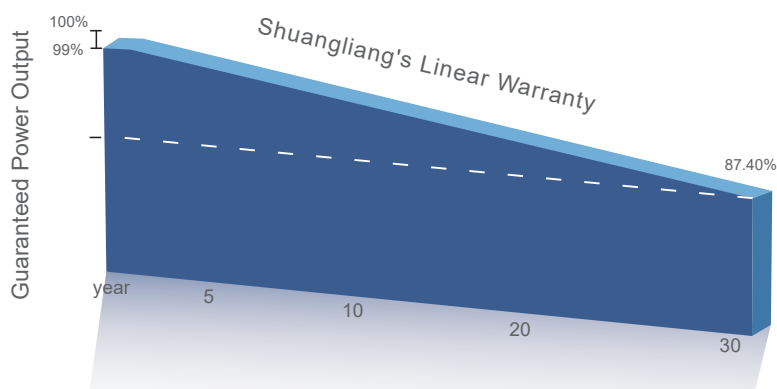


Double Side
Power Generation



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)	460	465	470	475
Power Output Tolerance-PMAX (W)	0~+5			
Maximum Power Voltage-VMPP (V)	35.15V	35.31V	35.48V	35.62V
Maximum Power Current-IMPP(A)	13.09A	13.17A	13.25A	13.34A
Open Circuit Voltage-Voc (V)	42.76V	42.99V	43.20V	43.43V
Short Circuit Current-ISC(A)	13.71A	13.78A	13.86A	13.93A
Module Efficiency (%)	21.26%	21.49%	21.72%	21.95%

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

TEMPERATURE RATINGS

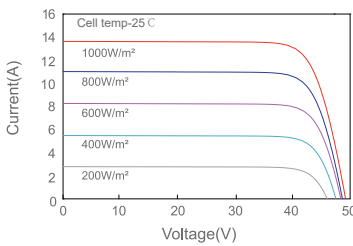
Temperature Coefficients of Pmax	-0.300%/°C	Operational Temperature	-40~+85 C
Temperature Coefficients of Voc	-0.260%/°C	Maximum System Voltage	1500V
Temperature Coefficients of Isc	0.045%/°C	Max Series Fuse Rating	30A

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

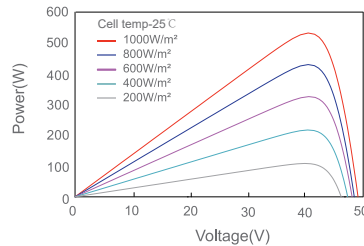
DOUBLE SIDE POWER GENERATION DATA (BACKSIDE GAIN)

5%	Pmax (Wp)	483Wp	488Wp	494Wp	499Wp
	Module Efficiency (%)	22.32%	22.55%	22.83%	23.06%
15%	Pmax (Wp)	529Wp	535Wp	541Wp	546Wp
	Module Efficiency (%)	24.45%	24.73%	25.00%	25.23%
25%	Pmax (Wp)	575Wp	581Wp	588Wp	594Wp
	Module Efficiency (%)	26.58%	26.85%	27.18%	27.45%

CHARACTERISTICS

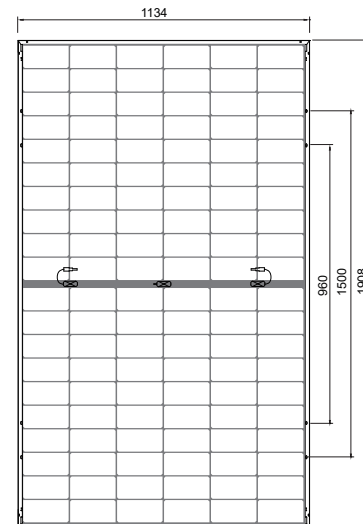
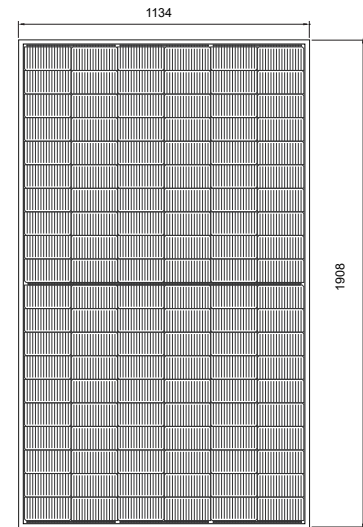


Current-Voltage Curve



Power-Voltage Curve

MECHANICAL DIAGRAMS



MECHANICAL DATA

Solar Cells	N Type Monocrystalline 182×91mm
Cell Orientation	120 cells (6×20)
Module Dimensions	1908×1134×30mm
Weight	27kg
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: 864 pieces

