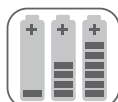


Gigalumi SL-M10S

440-460W

21.26%
Maximum Efficiency

0~+5W
Power Tolerance



High Power Output



PID Resistance



Longer Service Life

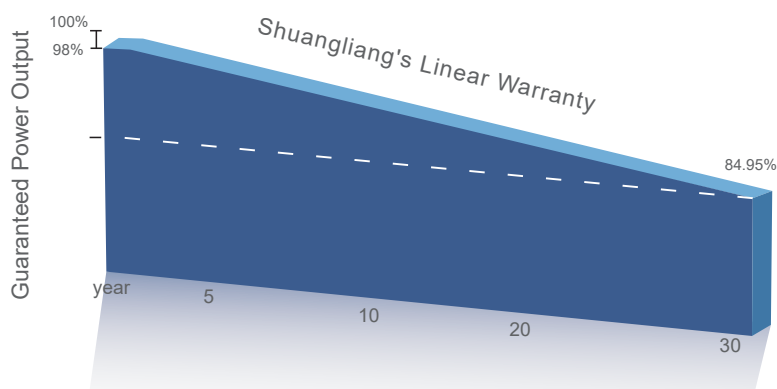


Double Side
Power Generation



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)	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/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

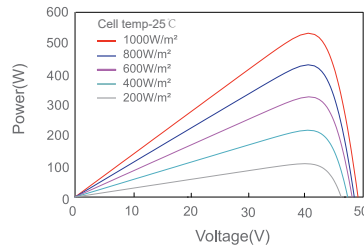
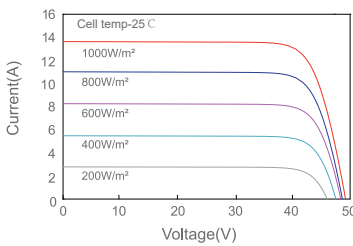
Operational Temperature	-40~+85 C
Maximum System Voltage	1500V
Max Series Fuse Rating	25A

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

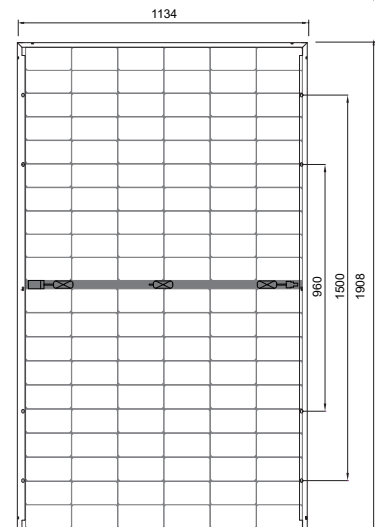
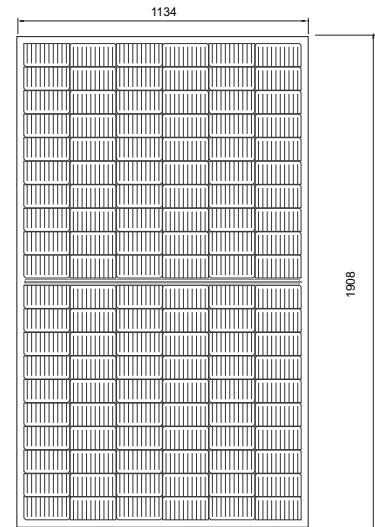
DOUBLE SIDE POWER GENERATION DATA (BACKSIDE GAIN)

5%	Pmax (Wp)	462Wp	467Wp	473Wp	478Wp	483Wp
	Module Efficiency (%)	21.35%	21.58%	21.86%	22.09%	22.32%
15%	Pmax (Wp)	506Wp	512Wp	518Wp	523Wp	529Wp
	Module Efficiency (%)	23.39%	23.66%	23.94%	24.17%	24.45%
25%	Pmax (Wp)	550Wp	556Wp	563Wp	569Wp	575Wp
	Module Efficiency (%)	25.42%	25.70%	26.02%	26.30%	26.62%

CHARACTERISTICS



MECHANICAL DIAGRAMS



MECHANICAL DATA

Solar Cells	P 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

