

Gigalumi SL-M10B

525-545W



21.10%
Maximum Efficiency

0~+5W
Power Tolerance



High Power Output



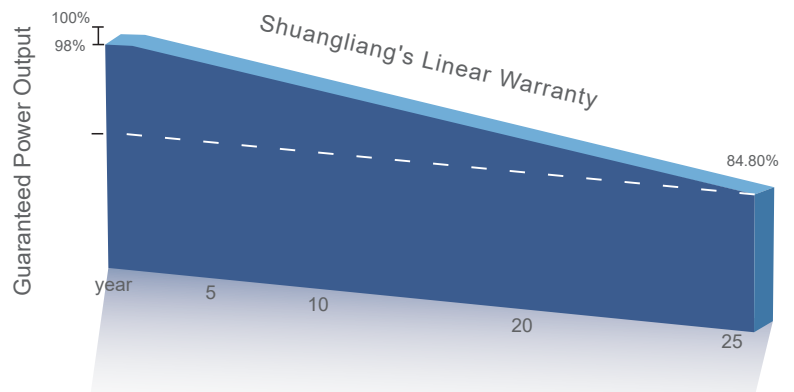
PID Resistance



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)	525	530	535	540	545
Power Output Tolerance-PMAX (W)	0~+5				
Maximum Power Voltage-VMPP (V)	41.20V	41.40V	41.60V	41.80V	42.00V
Maximum Power Current-IMPP(A)	12.75A	12.81A	12.87A	12.94A	12.99A
Open Circuit Voltage-Voc (V)	49.70V	50.00V	50.30V	50.60V	50.90V
Short Circuit Current-ISC(A)	13.40A	13.46A	13.52A	13.59A	13.64A
Module Efficiency (%)	20.32%	20.52%	20.71%	20.90%	21.10%
STC: Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass AM1.5					

TEMPERATURE RATINGS

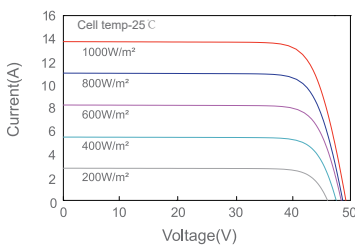
Temperature Coefficients of Pmax	-0.350%/°C
Temperature Coefficients of Voc	-0.270%/°C
Temperature Coefficients of Isc	0.048%/°C

MAXIMUM RATINGS

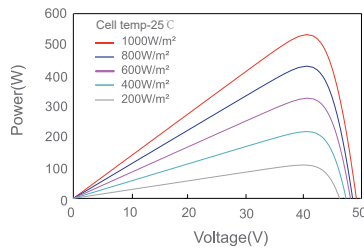
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V
Max Series Fuse Rating	25A

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

CHARACTERISTICS

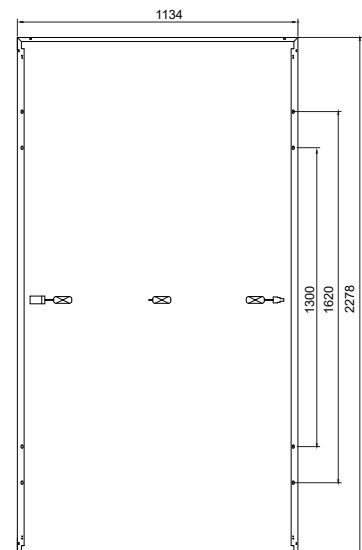
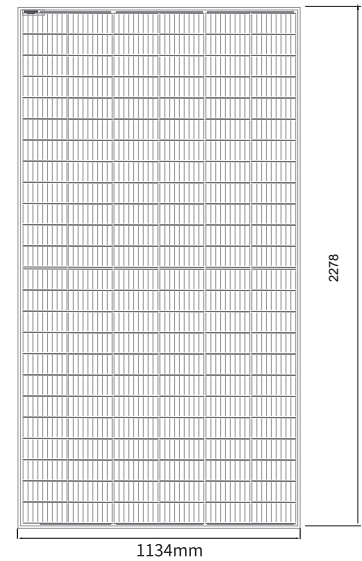


Current-Voltage Curve



Power-Voltage Curve

MECHANICAL DIAGRAMS



MECHANICAL DATA

Solar Cells	P Type Monocrystalline 182×91mm
Cell Orientation	144 cells (6×24)
Module Dimensions	2278×1134×30mm
Weight	28kg
Glass	3.2mm (0.13 inches), High Transmission, AR Coated Tempered Glass
Backsheet	Black
Frame	Black 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

