

Gigalumi SL-G12

645-670W

21.57%
Maximum Efficiency

0~+5W
Power Tolerance



High Power Output



PID Resistance

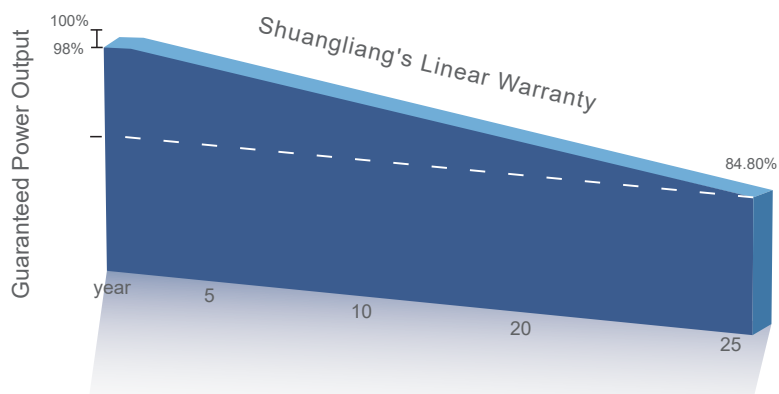


Longer Service Life



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)	645	650	655	660	665	670
Power Output Tolerance-PMAX (W)	0 ~ +5					
Maximum Power Voltage-VMPP (V)	37.57V	37.76V	37.93V	38.11V	38.29V	38.48V
Maximum Power Current-IMPP(A)	17.17A	17.22A	17.27A	17.32A	17.37A	17.42A
Open Circuit Voltage-Voc (V)	45.11V	45.35V	45.50V	45.76V	45.92V	46.15V
Short Circuit Current-ISC(A)	18.18A	18.23A	18.28A	18.31A	18.38A	18.43A
Module Efficiency (%)	20.76%	20.92%	21.09%	21.25%	21.41%	21.57%

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

TEMPERATURE RATINGS

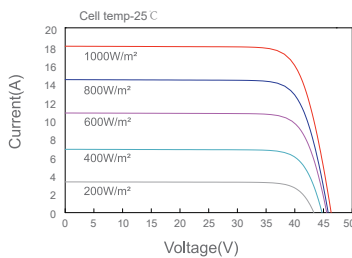
Temperature Coefficients of Pmax	-0.350%/°C
Temperature Coefficients of Voc	-0.270%/°C
Temperature Coefficients of Isc	0.048%/°C

MAXIMUM RATINGS

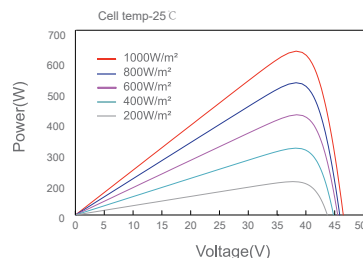
Operational Temperature	-40~+85°C
Maximum System Voltage	1500V
Max Series Fuse Rating	30A

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

CHARACTERISTICS

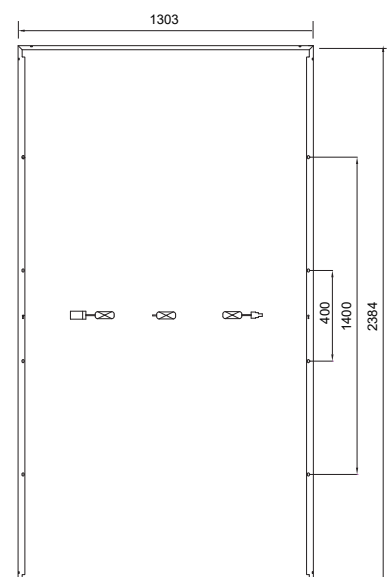
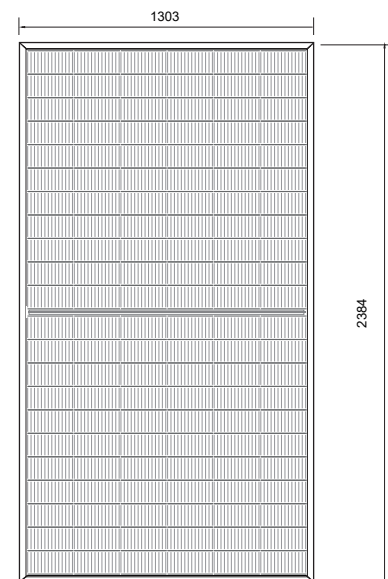


Current-Voltage Curve



Power-Voltage Curve

MECHANICAL DIAGRAMS



MECHANICAL DATA

Solar Cells	P Type Monocrystalline 210×105mm
Cell Orientation	132 cells (6×22)
Module Dimensions	2384×1303×35mm
Weight	34kg
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: 31 pieces

Modules per 40' HQ container: 558 pieces

