

# Gigalumi SL-G12

585-605W

21.38%  
Maximum Efficiency

0~+5W  
Power Tolerance



High Power Output



PID Resistance

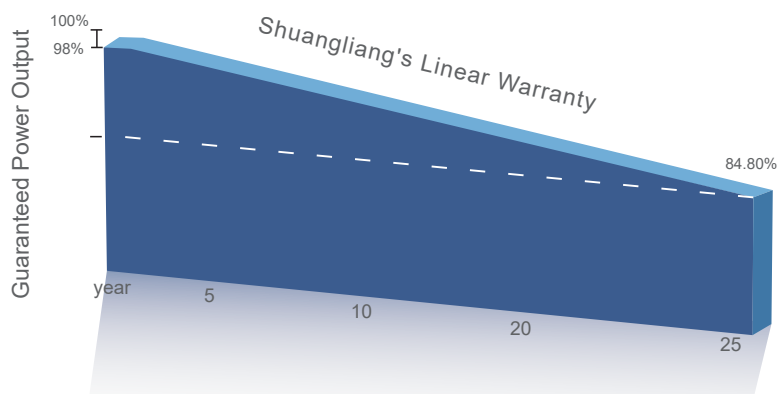


Longer Service Life



## 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)	585	590	595	600	605
Power Output Tolerance-PMAX (W)	0 ~ +5				
Maximum Power Voltage-VMPP (V)	33.80V	34.00V	34.20V	34.40V	34.60V
Maximum Power Current-IMPP(A)	17.31A	17.35A	17.40A	17.44A	17.49A
Open Circuit Voltage-Voc (V)	40.90V	41.10V	41.30V	41.50V	41.70V
Short Circuit Current-ISC(A)	18.37A	18.42A	18.47A	18.52A	18.57A
Module Efficiency (%)	20.67%	20.85%	21.02%	21.20%	21.38%

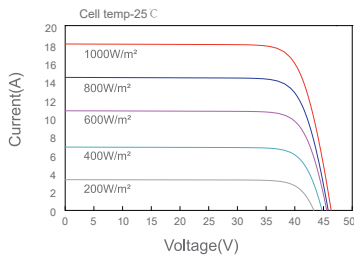
STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5

## TEMPERATURE RATINGS

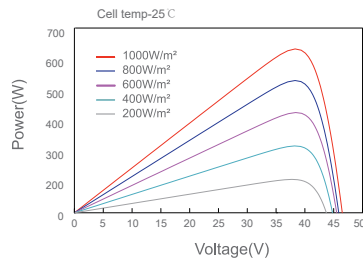
Temperature Coefficients of Pmax	-0.350%/°C	Operational Temperature	-40~+85°C
Temperature Coefficients of Voc	-0.270%/°C	Maximum System Voltage	1500V
Temperature Coefficients of Isc	0.048%/°C	Max Series Fuse Rating	30A

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

## CHARACTERISTICS

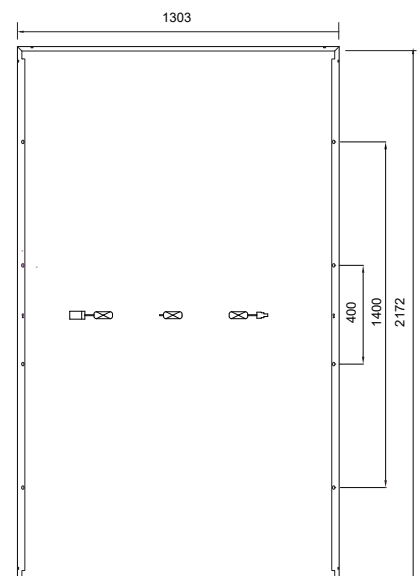
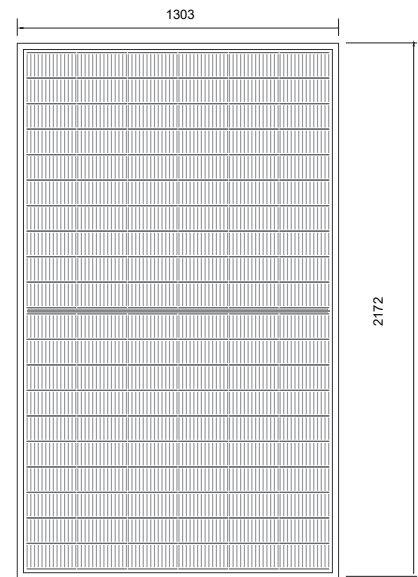


Current-Voltage Curve



Power-Voltage Curve

## MECHANICAL DIAGRAMS



## MECHANICAL DATA

Solar Cells	P Type Monocrystalline 210×105mm
Cell Orientation	120 cells (6×20)
Module Dimensions	2172×1303×35mm
Weight	31kg
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: 620 pieces

