

Gigalumi SL-G12S

585-605W

21.38%
Maximum Efficiency

0~+5W
Power Tolerance



High Power Output



PID Resistance



Longer Service Life

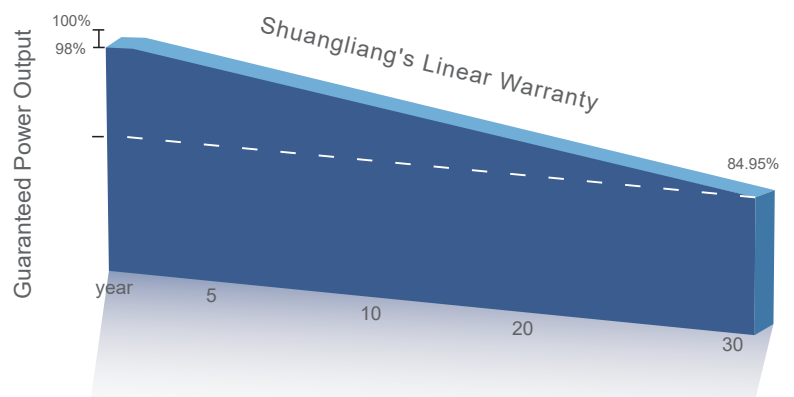


Double Side
Power Generation



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



Shuangliang Solar-Tech(Baotou) Co., Ltd
www.shuangliangglobal.com
ktsales@shuangliang.com



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/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

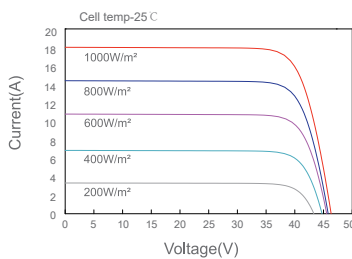
Operational Temperature	-40~+85 C
Maximum System Voltage	1500V
Max Series Fuse Rating	30A

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

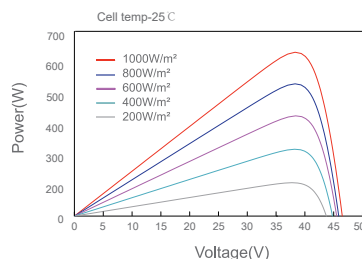
DOUBLE SIDE POWER GENERATION DATA (BACKSIDE GAIN)

5%	Pmax (Wp)	614Wp	620Wp	625Wp	630Wp	635Wp
	Module Efficiency (%)	21.70%	21.91%	22.08%	22.26%	22.44%
15%	Pmax (Wp)	673Wp	679Wp	684Wp	690Wp	696Wp
	Module Efficiency (%)	23.78%	23.99%	24.17%	24.38%	24.59%
25%	Pmax (Wp)	731Wp	738Wp	744Wp	750Wp	756Wp
	Module Efficiency (%)	25.83%	26.08%	26.29%	26.50%	26.71%

CHARACTERISTICS

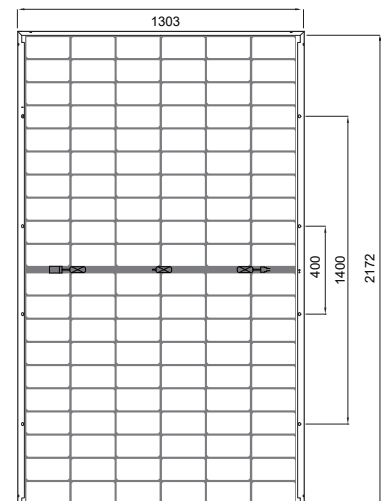
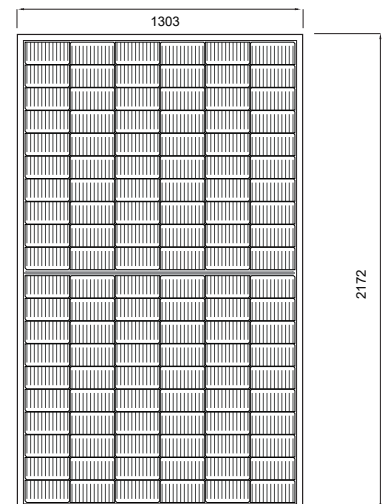


Current-Voltage Curve



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	35kg
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: 31 pieces

Modules per 40' HQ container: 620 pieces

