

# Gigalumi SL-M10NS

410-430W

22.02%  
Maximum Efficiency

0~+5W  
Power Tolerance



High Power Output



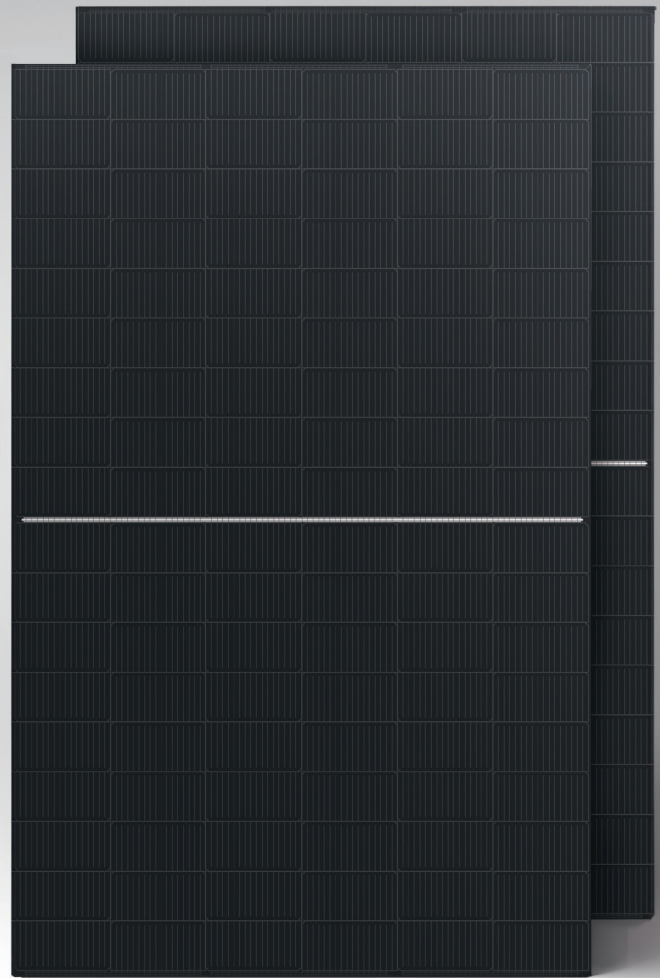
PID Resistance



Longer Service Life

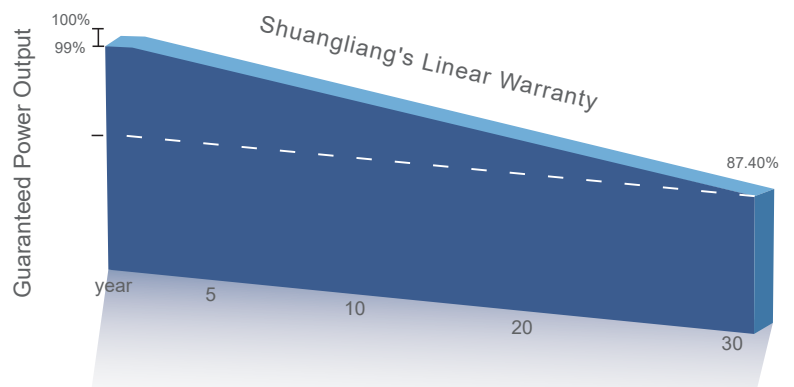


Double Side  
Power Generation



## 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)	410	415	420	425	430
Power Output Tolerance-PMAX (W)	0~+5				
Maximum Power Voltage-VMPP (V)	31.43V	31.62V	31.80V	31.99V	32.17V
Maximum Power Current-IMPP(A)	13.05A	13.13A	13.21A	13.29A	13.37A
Open Circuit Voltage-Voc (V)	38.19V	38.43V	38.67V	38.90V	39.13V
Short Circuit Current-ISC(A)	13.70A	13.77A	13.84A	13.92A	13.99A
Module Efficiency (%)	21.00%	21.25%	21.51%	21.76%	22.02%

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

## TEMPERATURE RATINGS

Temperature Coefficients of Pmax	-0.300%/°C
Temperature Coefficients of Voc	-0.260%/°C
Temperature Coefficients of Isc	0.045%/°C

## MAXIMUM RATINGS

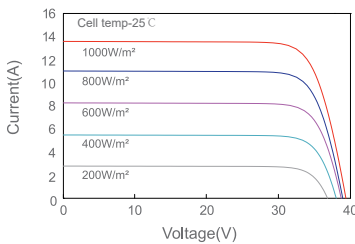
Operational Temperature	-40~+85 C
Maximum System Voltage	1500V
Max Series Fuse Rating	30A

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

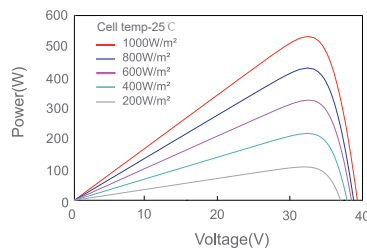
## DOUBLE SIDE POWER GENERATION DATA (BACKSIDE GAIN)

5%	Pmax (Wp)	431Wp	436Wp	441Wp	446Wp	452Wp
	Module Efficiency (%)	22.07%	22.33%	22.58%	22.84%	23.15%
15%	Pmax (Wp)	472Wp	477Wp	483Wp	489Wp	495Wp
	Module Efficiency (%)	24.17%	24.43%	22.94%	25.04%	25.35%
25%	Pmax (Wp)	513Wp	519Wp	525Wp	531Wp	538Wp
	Module Efficiency (%)	26.27%	26.58%	26.89%	27.19%	27.55%

## CHARACTERISTICS

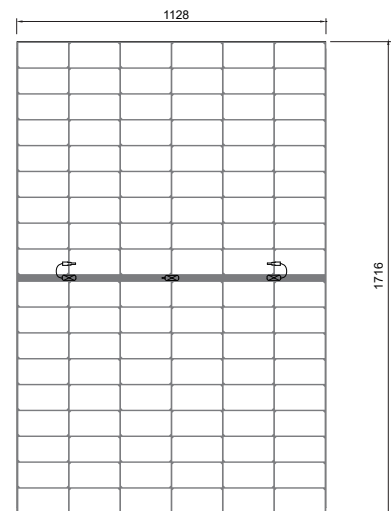
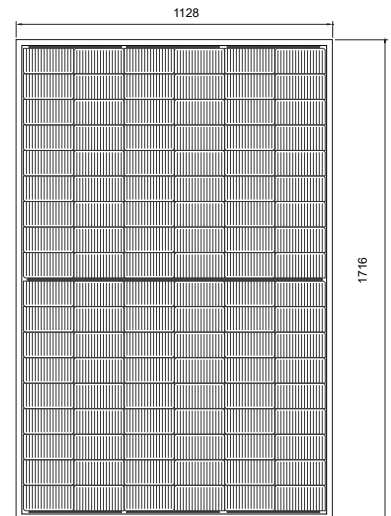


Current-Voltage Curve



Power-Voltage Curve

## MECHANICAL DIAGRAMS



## MECHANICAL DATA

Solar Cells	N Type Monocrystalline 182×91mm
Cell Orientation	108 cells (6×18)
Module Dimensions	1716×1128×(4.7-5.2)mm
Weight	20.29kg
Glass	2.0mm (0.08 inches), High Transmission, AR Coated Tempered Glass
Back glass	2.0mm mesh glaze plating
Frame	Frameless
J-Box	IP 68 rated
Cables	(+):300mm, (-):300mm or Customized Length
Connector	MC4 or MC4 Compatible