



N-Type

210 Mono-Bifacial Module
PP-G12NS

695W-725W

Maximum output power

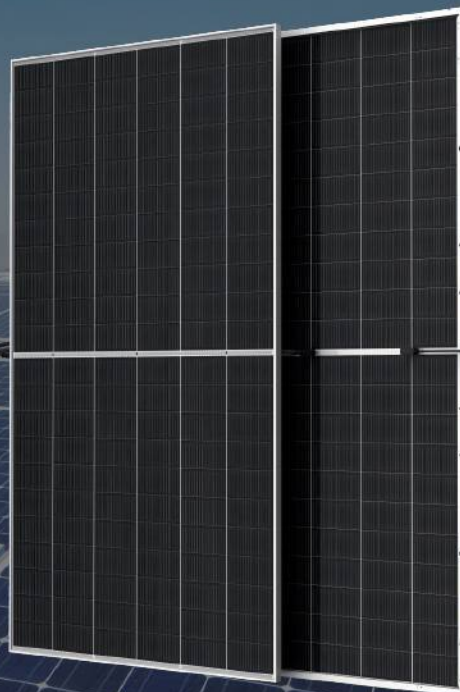
725W

Maximum efficiency

23.34%

Power tolerance

0~+5%



► Key Features



SMBB Technology

Better light trapping and current collection to improve module power output and reliability.



Hot 2.0 Technology

The N-type module with Hot 2.0 technology has better reliability and lower LID/LETID.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Duplex power generation

The power gain on both sides increases with the light received on the back, up to 25%.



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).

► Quality System

ISO 45001: 2018 Occupational Health and Safety Management System

ISO 14001: 2015 Environmental Management System

ISO 9001: 2015 Quality Management System

► Product Certifications

IEC 61215 / IEC 61730 / IEC 61701 / IEC 62716

IEC 62804 / IEC 62782 / IEC60068

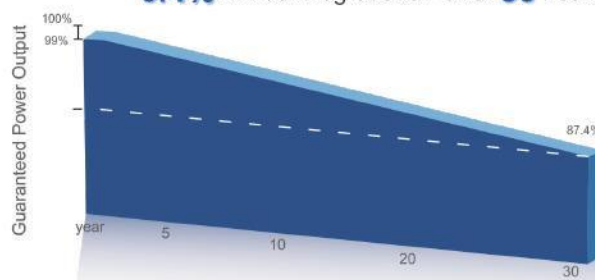


► Linear Performance Warranty

12 Year Product Warranty

30 Year Linear Warranty

0.4% Annual Degradation Over 30 Years



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ELECTRICAL DATA (STC)

Peak Power Watts-PMAX (Wp)	695	700	705	710	715	720	725
Power Output Tolerance-PMAX (W)	0~+5						
Maximum Power Voltage-VMPP (V)	42.13V	42.34V	42.40V	42.61V	42.82V	43.05V	43.23V
Maximum Power Current-IMPP(A)	16.51A	16.54A	16.63A	16.67A	16.70A	16.73A	16.78A
Open Circuit Voltage-Voc (V)	48.31V	48.53V	48.81V	49.10V	49.41V	49.72V	50.72V
Short Circuit Current-ISC(A)	18.32A	18.36A	18.39A	18.42A	18.45A	18.48A	18.51A
Module Efficiency (%)	22.37%	22.53%	22.70%	22.86%	23.02%	23.18%	23.34%

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

TEMPERATURE RATINGS

Temperature Coefficients of Pmax	-0.280%/°C
Temperature Coefficients of Voc	-0.240%/°C
Temperature Coefficients of Isc	0.045%/°C

MAXIMUM RATINGS

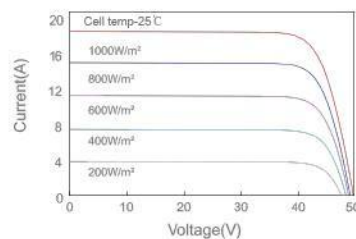
Operational Temperature	-40~+85C
Maximum System Voltage	1500V
Max Series Fuse Rating	30A

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

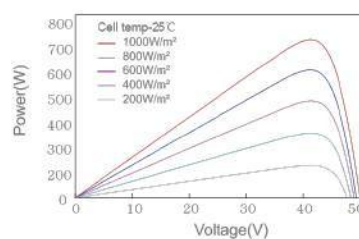
DOUBLE SIDE POWER GENERATION DATA (BACKSIDE GAIN)

5%	Pmax (Wp)	730Wp	735Wp	740Wp	746Wp	751Wp	756Wp	761Wp
	Module Efficiency (%)	23.50%	23.66%	23.82%	24.02%	24.18%	24.34%	28.15%
15%	Pmax (Wp)	799Wp	805Wp	811Wp	817Wp	822Wp	828Wp	834Wp
	Module Efficiency (%)	25.72%	25.91%	26.11%	26.30%	26.46%	26.66%	30.85%
25%	Pmax (Wp)	869Wp	875Wp	881Wp	888Wp	894Wp	900Wp	906Wp
	Module Efficiency (%)	27.97%	28.17%	28.36%	28.59%	28.78%	28.97%	33.51%

CHARACTERISTICS

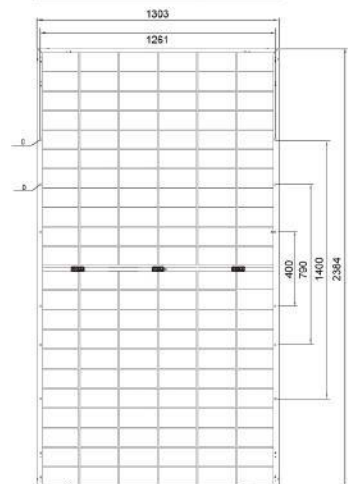
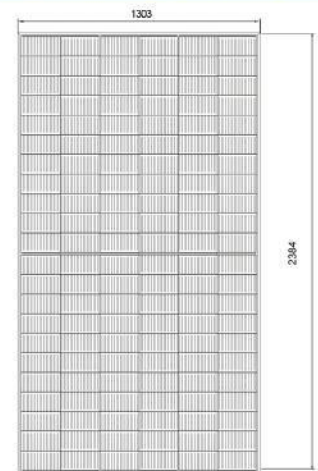


Current-Voltage Curve



Power-Voltage Curve

MECHANICAL DIAGRAMS

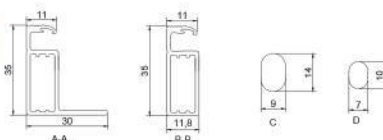


MECHANICAL DATA

Solar Cells	N Type Monocrystalline 210×105mm
Cell Orientation	132 cells (6×22)
Module Dimensions	2384×1303×35mm
Weight	39kg
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	33 pieces
Modules per 40' HQ container	594 pieces



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