

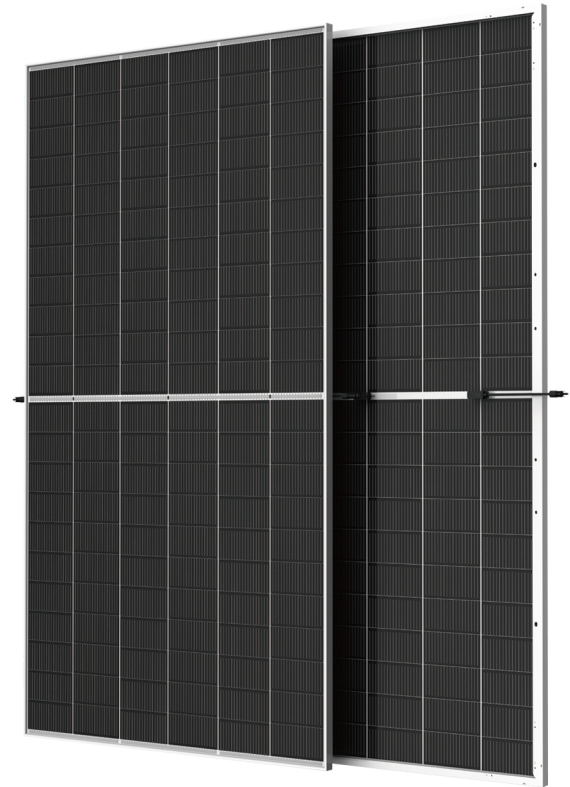
695-720

SUN DE21M(20)

BIFACIAL DUAL GLASS MONO MODULE

N-type

- IEC61215(2016)/IEC61730(2016)
- IEC61701/IEC62716/IEC60068/IEC62804
- ISO9001:2015:Quality Management System
- ISO14001:2015:Environment Management System
- ISO45001:2018:Occupational health and safety management systems



Key Features



N-type Technology

N-type modules with tunnel oxide passivating contacts (TOPCon) technology offer lower LID/LeTID degradation and better low light performance.



HOT 3.0 Technology

N-type modules with SUNROVER's HOT 3.0 technology offer better reliability and efficiency.



Durability Against Extreme Environment

High salt mist and ammonia resistance.



Mechanical Load Enhanced

Certified to withstand:
5400Pa front side max static test load
2400Pa rear side max static test load



SMBB Technology

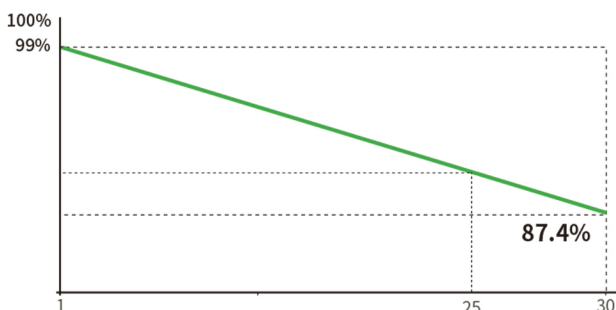
Better light trapping and current collection to improve module power output and reliability.



Anti-PID Guarantee

Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

Linear Performance Warranty



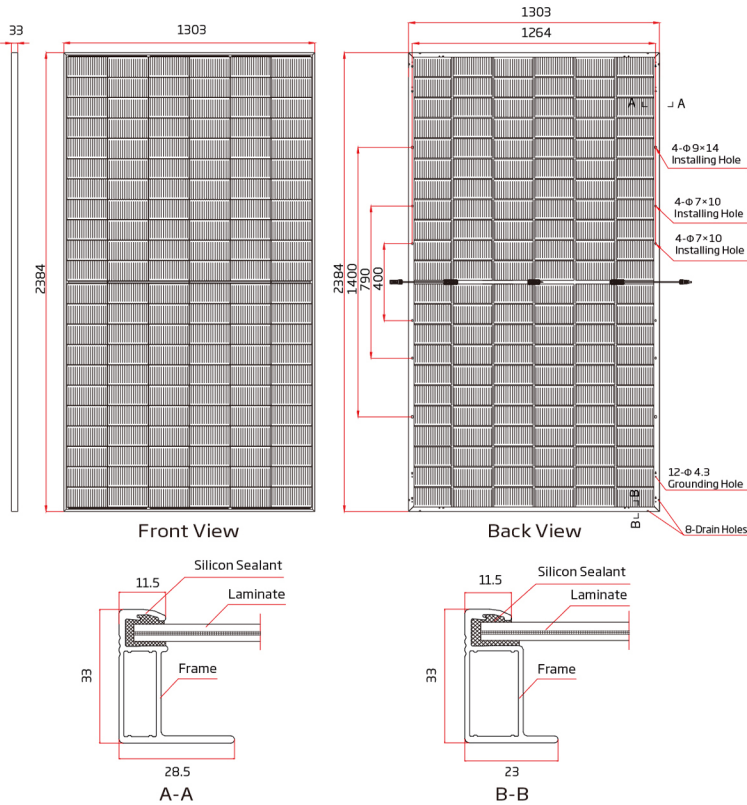
25 Year
Product Warranty

30 Year
Linear Power
Warranty

1%
First-year
Degradation

0.4%
Annual Degradation
Over 30 Years

Engineering Drawings



Packaging Configuration

(Two pallets = One stack)

33pcs/pallet, 594pcs/40'HQ

Specifications (STC)

	695Wp	700Wp	705Wp	710Wp	715Wp	720Wp
Maximum Power (Pmax)	695Wp	700Wp	705Wp	710Wp	715Wp	720Wp
Maximum Power Voltage (Vmp)	40.30V	40.50V	40.70V	40.90V	41.10V	41.30V
Maximum Power Current (Imp)	17.25A	17.29A	17.33A	17.36A	17.40A	17.44A
Open-circuit Voltage (Voc)	48.30V	48.60V	48.80V	49.00V	49.20V	49.40V
Short-circuit Current (Isc)	18.28A	18.32A	18.36A	18.40A	18.44A	18.49A
Module Efficiency (%)	22.40%	22.50%	22.70%	22.90%	23.00%	23.20%

Power Tolerance

0-5W

Nominal Operating Cell Temperature (NOCT)

43°C (±2°C)

Maximum System Voltage 1500V DC(IEC/UL)

Specifications (BNPI)

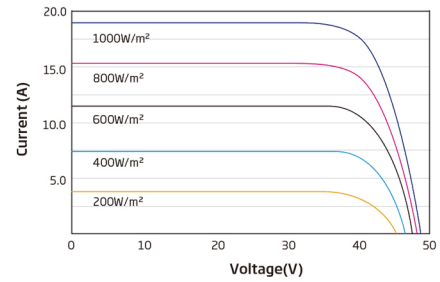
		765Wp	770Wp	776Wp	781Wp	787Wp	792Wp
Maximum Series Fuse Rating	35A						
Temperature Coefficients of Pmax	-0.29%/°C						
Temperature Coefficients of Voc	-0.24%/°C						
Temperature Coefficients of Isc	0.040%/°C						
Operating Temperature (°C)	-40~70°C						
Maximum Power (Pmax)		765Wp	770Wp	776Wp	781Wp	787Wp	792Wp
Maximum Power Voltage (Vmp)		40.30V	40.50V	40.70V	40.90V	41.10V	41.30V
Maximum Power Current (Imp)		18.98A	19.02A	19.06A	19.10A	19.14A	19.18A
Open-circuit Voltage (Voc)		48.30V	48.60V	48.80V	49.00V	49.20V	49.40V
Short-circuit Current (Isc)		20.11A	20.15A	20.20A	20.24A	20.28A	20.34A

STC:1000W/irradiance,25°C cell temperture,AM1.5

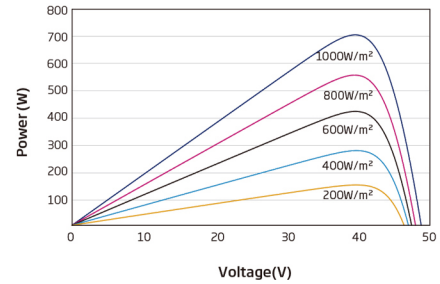
NOCT:Irradiance at 800W/,Ambient temperature 20°C,wind speed 1m/s

Electrical Performance & Temperature Dependence

I-V CURVES OF PV MODULE(705 W)



P-V CURVES OF PV MODULE(705 W)



Mechanical Characteristics

Cell Type	N-type Mono crystalline
No.of cells	132 cells
Dimensions	2384x1303x33mm
Weight	38.3kg
Glass	2.0mm, AR Coating Heat Strengthened Glass 2.0mm, Heat Strengthened Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 rated
Output Cables	4.0mm ² , Portrait:350/280mm, Length can be customized