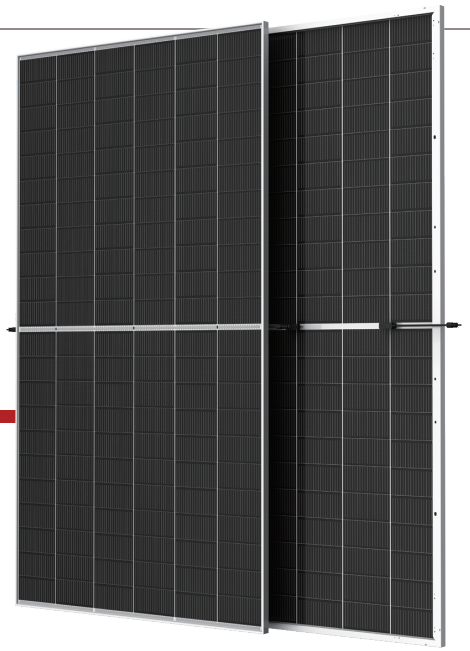
RS-132 Series

Bifacial Dual Glass Mono Module
N-TOPCON Half-Cell: 695-720W



132 LAYOUT
MONOCRYSTALLINE MODULE

695-720W
POWER OUTPUT RANGE

23.2%
MAXIMUM EFFICIENCY

0~+5W
POSITIVE POWER TOLERANCE

PRODUCTS	POWER RANGE
RS-132(cells)	695-720W

High quality silicon wafers guarantee high power module output and excellent cost-effectiveness,making it an ideal choice for large power plants

Selected packaging materials and strict process plans to ensure component PID resistance

Lower oxygen and carbon content leads to lower LID

Adapt to harsh outdoor environments through weather resistance tests such as sand and dust, salt spray, and ammonia gas

The design of series and parallel connection reduces the series resistance Rs of components, reduces internal electrical performance losses, and improves the power generation capacity of the system end

Rosen Solar, is one of the world's top ranking manufacturer and installer of solar modules for more than 10years. Facing the increasingly serious situation of world Global warming, we are undertaking more duty and responsibility to provide more reliable and sustainable energy to protect not only human beings but also the Mother Earth. And with modules and systems delivered to more than 150 countries, Rosen is committed to building long term strategy and mutual collaboration with all installers, distributors and partners in energy protection.

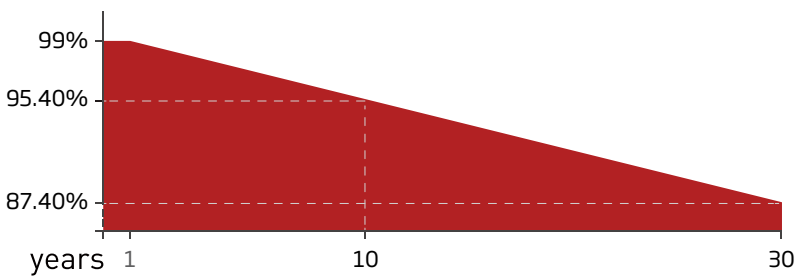
Comprehensive Products and System Certificates

IEC61215/IEC61730/IEC61701/IEC62716
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO 14064: Greenhouse Gas Emissions Verification
OHSAS 18001: Occupation Health and Safety Management System

Rosen Solar
To light up the world

Linear Perfomance Warranty

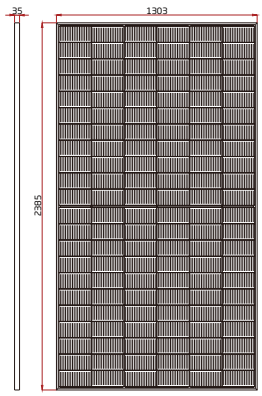
12 Year Product Warranty · 30 Year Linear Power Warranty



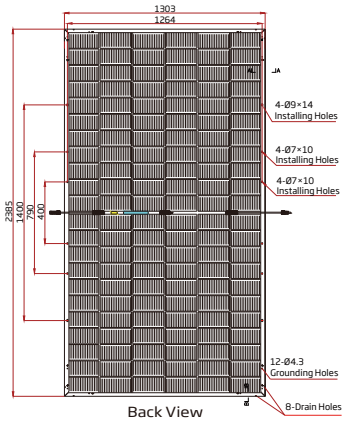
RS-132 Series

132 CELLS MODULE

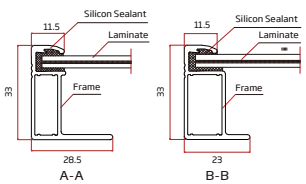
DIMENSIONS OF PV MODULE(mm)



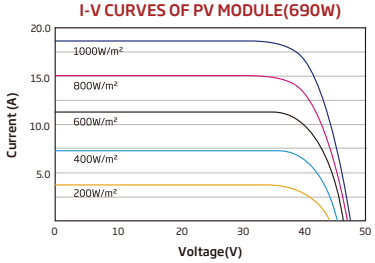
Front View



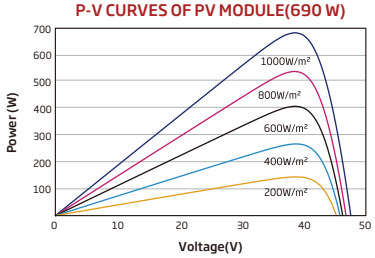
Back View



I-V CURVES OF PV MODULE(690W)



P-V CURVES OF PV MODULE(690 W)



ELECTRICAL DATA(STC)

Peak Power Watts-P_{MAX}(Wp)*	695	700	705	710	715	720
Power Output Tolerance-P_{MAX}(W)	0~+5					
Maximum Power Voltage-V_{MPP}(V)	40.2	40.4	40.6	40.8	41.0	41.2
Maximum Power Current-I_{MPP}(A)	17.29	17.33	17.37	17.41	17.45	17.48
Open Circuit Voltage-V_{oc}(V)	48.3	48.5	48.7	48.9	49.1	49.3
Short Circuit Current-I_{sc}(A)	18.28	18.31	18.35	18.38	18.42	18.45
Module Efficiency (%)	22.4	22.5	22.7	22.9	23.0	23.2

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5
*Measuring tolerance: ±3%.

ELECTRICAL PARAMETERS AT NOCT

Maximum Power-P_{MAX}(Wp)	530	534	538	542	546	550
Maximum Power Voltage-V_{MPP}(V)	37.8	38.0	38.2	38.4	38.6	38.8
Maximum Power Current-I_{MPP}(A)	14.02	14.08	14.11	14.14	14.17	14.20
Open Circuit Voltage-V_{oc}(V)	45.8	46.1	46.4	46.7	47.0	47.3
Short Circuit Current-I_{sc}(A)	14.73	14.76	14.80	14.82	14.86	14.88

NMOT: Irradiance 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar Cells	N-type Mono-crystalline
No. of cells	132(6x22)
Dimensions	2385*1303*35mm
Weight	38.7kgs
Front Glass	High transparency solar glass 2.0mm
Back Glass	High transparency solar glass 2.0mm
Frame	Anodized aluminium alloy
Junction Box	IP 68, 3 diodes
Output Cables	Photovoltaic Technology Cable 4.0mm² Portrait: N 300mm/P 300mm Landscape: N 1400mm/P 1400mm (Opt)
Connector	MC4-compatible

*Please refer to regional datasheet for specified connector.

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	44℃ ± 2
Temperature Coefficient of P_{MAX}	-0.30%/℃
Temperature Coefficient of V_{OC}	-0.25%/℃
Temperature Coefficient of I_{SC}	0.046%/℃

MAXIMUM RATINGS

Operational Temperature	-40~+85℃
Maximum System Voltage	1500V DC
Max Series Fuse Rating	30A
Snow/Wind Load	5400Pa/2400Pa*

PACKAGING CONFIGUREATION

Modules per pallet: 31 pieces
Modules per 40HQ container: 558 pieces

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To light up the world

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

Email: info@rosensolar.com
Website: www.rosensolar.com