

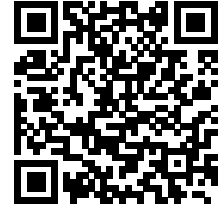


Rosen Solar

To light up the world

Alibaba TOP 3 Suppliers
Trade Assurance Supplier

Verified Alibaba Supplier



RS96M Series

Monocrystalline 96cells
Power Range: 440-500W



Key Features



Monocrystalline modules designed for commercial and solar farm grid-tied applications



High power output and highest conversion efficiency



Anti-reflective and anti-soiling surface reduces power loss from dirt and dust



Outstanding performance in low-light irradiance environments



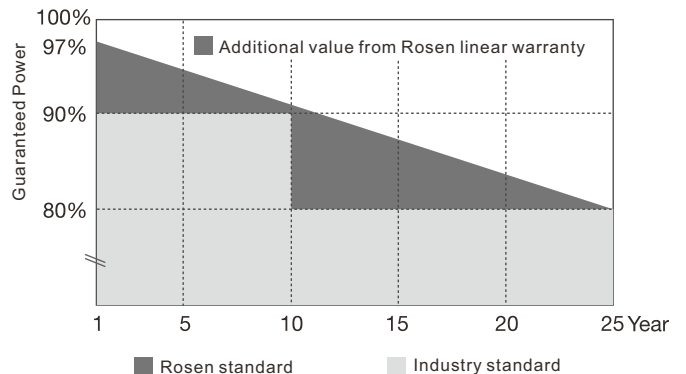
Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



High salt and ammonia resistance certified by TÜV NORD

Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



Reliable Quality

- Positive power tolerance: 0~+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential Induced Degradation(PID) Resistant

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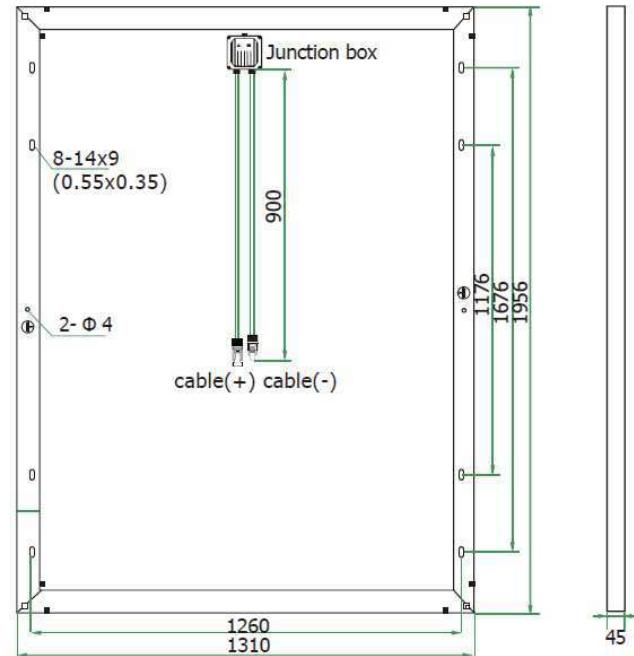
Mechanical Data

Solar Cells	Mono 156*156mm, 5BB
Cell Orientation	96cells (8*12)
Module Dimensions	1956*1310*45mm
Weight	26kg (Approx)
Glass	3.2mm, High Transmission, AR Coated Tempered Glass
J-Box	IP67 or IP68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² , 900mm
Connector	MC4/UTX/TS4/QC4*

Working Conditions

Maximum System Voltage	1000 V DC (IEC)
Operational Temperature	-40~ +85°C
Max Series Fuse Rating	15A
NOCT	44°C(±2°C)
Application Class	Class A
Packaging Configuration	Modules per pallet: 23 pieces Modules per 40' container: 474 pieces

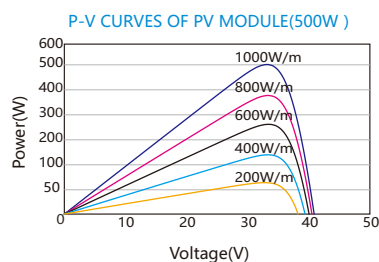
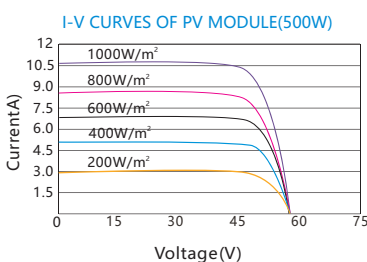
Dimensions of PV Module(mm)



Electrical Data(STC)

Module	RS440M-96	RS450M-96	RS460M-96	RS470M-96	RS480M-96	RS490M-96	RS500M-96
Peak Power Watts-Pmax(Wp)*	440	450	460	470	480	490	500
Maximum Power Voltage-Vmpp(V)	47.78	47.88	48.02	48.11	48.35	48.45	48.63
Maximum Power Current-Imp(A)	9.21	9.40	9.60	9.79	9.93	10.12	10.29
Open Circuit Voltage-Voc(V)	58.50	58.57	58.75	58.82	58.89	58.95	59.01
Short Circuit Current-Isc(A)	9.40	9.73	9.78	9.90	10.04	10.67	10.87
Module Efficiency (%)	17.17	17.56	17.95	18.34	18.73	19.12	19.51
Power Output Tolerance-Pmax(W)	0 ~+5						
Temperature Coefficient of Pmax	-0.410%/°C						
Temperature Coefficient of Voc	-0.330%/°C						
Temperature Coefficient of Isc	0.058%/°C						
STC	Irradiance 1000W/m ² , Cell Temperature 25°C, Air Mass AM1.5						

I-V Curve



Appearance Color

Back sheet	White
Frame	Sliver Anodized Aluminium Alloy