

For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com

EnergyPal

Solar Panel Guide Specification Data Sheet

**Hefei Rosen Solar Energy Co., Ltd.
RS36M Black Series
RS180M-36**

Also available on the web at
EnergyPal.com/hefei-rosen-solar-energy-co-ltd-solar-panels/rs180m-36

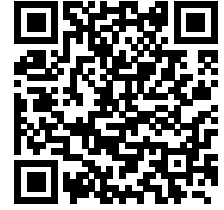


Rosen Solar

To light up the world

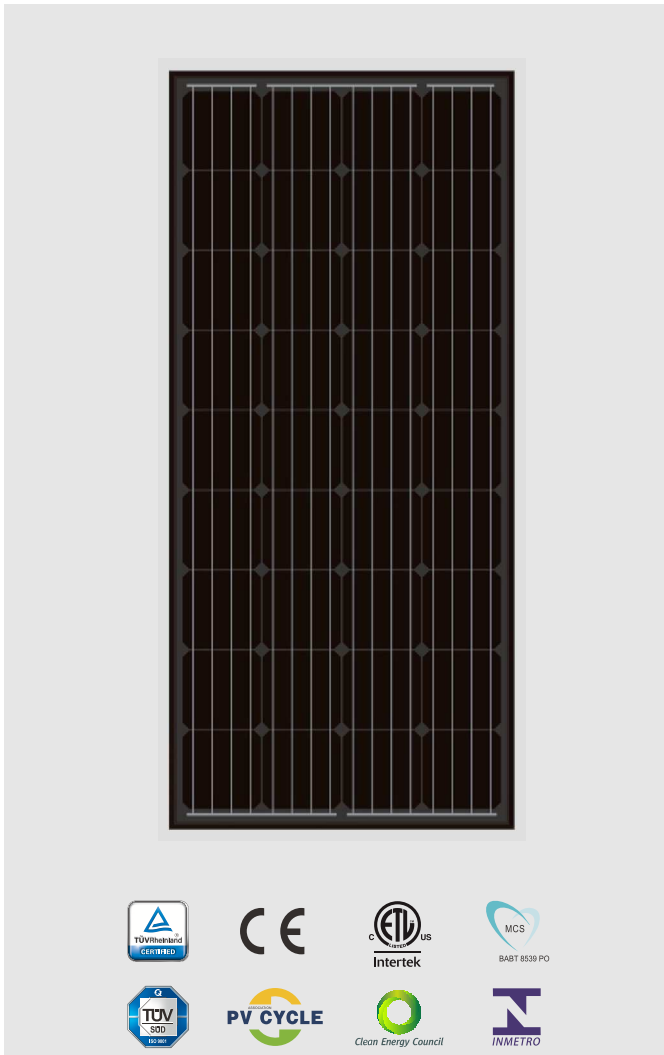
Alibaba TOP 3 Suppliers
Trade Assurance Supplier

Verified Alibaba Supplier



RS36M Black Series

Monocrystalline 36cells
Power Range: 170-190W



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



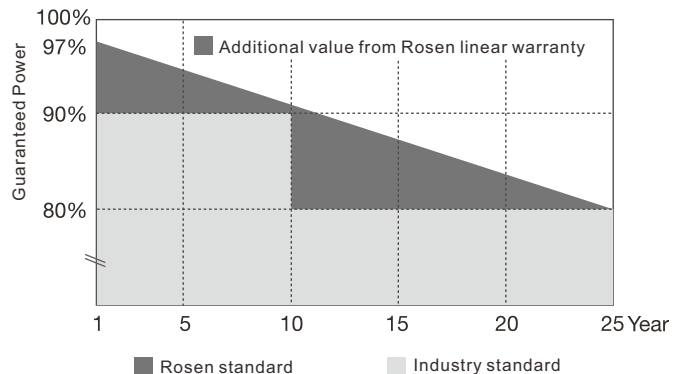
Excellent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)



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



RS36M Black Series

Monocrystalline 36 cells
Power Range: 170-190W

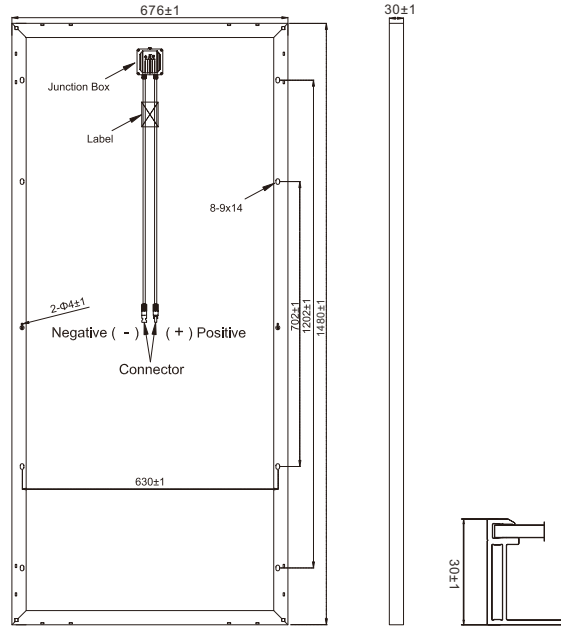
Mechanical Data

Solar Cells	Mono 156*156mm, 5BB
Cell Orientation	36cells (4*9)
Module Dimensions	1480*676*30mm
Weight	10.6kg (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: 35pcs Modules per 40' container: 1600pcs

Dimensions of PV Module(mm)

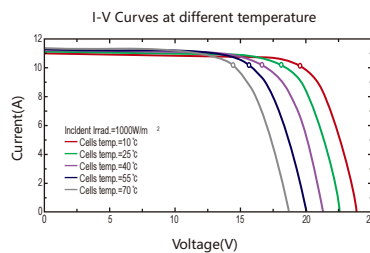
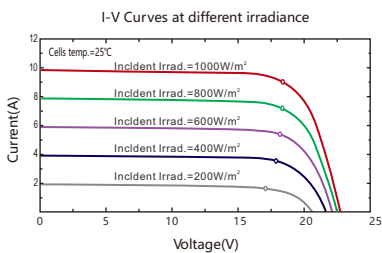


Electrical Data(STC)

Module	RS170M-36	RS175M-36	RS180M-36	RS185M-36	RS190M-36
Peak Power Watts-Pmax(Wp)*	170	175	180	185	190
Maximum Power Voltage-Vmpp(V)	17.9	18.0	18.1	18.2	18.3
Maximum Power Current-Impp(A)	9.50	9.73	9.95	10.17	10.39
Open Circuit Voltage-Voc(V)	22.8	22.9	23.0	23.1	23.2
Short Circuit Current-Isc(A)	9.74	9.98	9.94	10.46	10.70
Module Efficiency (%)	17.08	17.58	18.09	18.59	19.9
Power Output Tolerance-Pmax(W)			0 ~+5		
Temperature Coefficient of Pmax			-0.41%/°C		
Temperature Coefficient of Voc			-0.33%/°C		
Temperature Coefficient of Isc			0.059%/°C		

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

I-V Curve



Appearance Color

Back sheet	Black
Frame	Black Anodized Aluminium Alloy