

Authorized Distributor of:



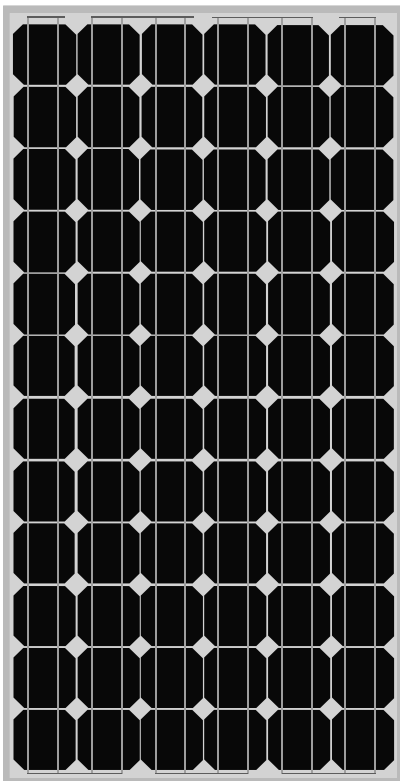
Monocrystalline Solar Module
RF-290M 72 Series-270/275/280/285/290/295/300
Number of Cells: 72 (6 x 12) | Dimensions: 1956 x 992 x 50 mm

PRODUCT ADVANTAGE

- ◆ High efficient solar cells with high transmission deliver excellent module performance, minimizing installation costs and maximizing the kWh output of your system per unit area.
- ◆ 0-5 W Tolerances ensures to provide customers with maximum power output.
- ◆ Entire module certificated to withstand high wind loads and snow loads (5400 Pa).
- ◆ Excellent performance under low light environments.
- ◆ Positive tolerance according to the customer's requirements.

WARRANTY

12 years materials and workmanship warranty.
27 years performance guarantees.
(90%~92% up to 15 years, 80%~82% up to 27 years)



PRODUCT APPLICATION

- ◆ On-grid utility systems.
- ◆ On-grid commercial systems.
- ◆ Off-grid ground mounted systems.

QUALITY CERTIFICATIONS

- ◆ ISO 9001:2008, ISO14001, OHSAS1800 (Quality Management System) certified factory.
IEC 61215, IEC 61730 certified products.



ELECTRICAL DATA

	RF-270M 72	RF-275M 72	RF-280M 72	RF-285M 72	RF-290M 72	RF-295M 72	RF-300M 72
Maximum Power at STC (Pmax)	270 W	275 W	280 W	285 W	290 W	295 W	300 W
Optimum Operating Voltage (Vmp)	35,2 V	35,3 V	35,39 V	35,49 V	35,58 V	35,71 V	35,79 V
Optimum Operating Current (Imp)	7,67 A	7,79 A	7,91 A	8,03 A	8,15 A	8,26 A	8,38 A
Open Circuit Voltage (Voc)	44,66 V	44,73 V	44,87 V	45,14 V	45,22 V	45,35 V	45,43 V
Short Circuit Current (Isc)	8,14 A	8,23 A	8,33 A	8,37 A	8,45 A	8,54 A	8,63 A
Module Efficiency	13,92%	14,17%	14,43%	14,69%	14,95%	15,20%	15,46%
Operating Module Temperature	-40~+85°C for 200 cycles						
Maximum System Voltage	DC 600 V (UL)/DC 1000 V (IEC)						
Max.Series Fuse	15 A						
Power Tolerance	0~+5 W						

STC: Irradiance 1000 W/m², modules temperature 25°C, AM= 1.5 ; Efficiency reaches up to 15,46%

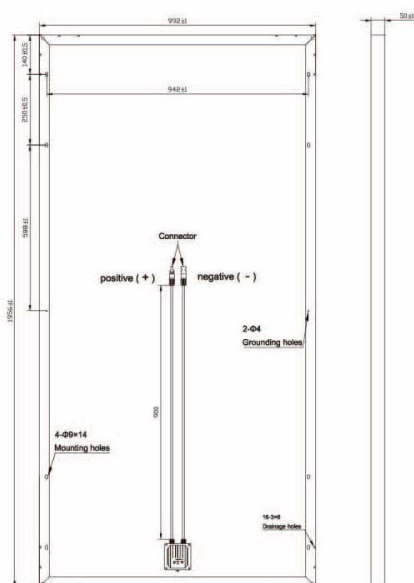
MECHANICAL DATA

Solar Cell	Monocrystalline 156 x 156 mm
Number of Cells	72 (6 x 12)
Dimensions	1956 x 992 x 50 mm
Weight	27,5 kg
Frame	Anodized aluminium alloy
Junction Box	IP65 rated
Cable Size	900 mm, 4.0 mm ²

TEMPERATURE CHARACTERISTICS

Power Temperature Coefficient	-(0.45±0.05)%/°C
Current Temperature Coefficient	0.06±0.015%/°C
Voltage Temperature Coefficient	-(0.35±0.05)%/°C
Ambient Temperature	46±2°C
Surface Maximum Load Capacity	5400 Pa
Max. Hailstone Impact (mass/velocity)	540 kg/m ²
Maximum Wind Resistance	130 km/h

Physical Characteristics



PACKING CONFIGURATION

Container	40' GP
Pieces per pallet	21
Pallet per container	22
Pieces per container	462

Electrical Characteristics

