

# RF-230P60



## POLYCRYSTALLINE SOLAR MODULES

RF-220P60 / RF-225P60 / RF-230P60 / RF-235P60 / RF-240P60 / RF-245P60 / RF-250P60

### Performance:

- 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 to ±3% tolerances ensures to provide customers with maximum power output.
- Entire module certificated to withstand high wind loads and snow loads (5400Pa).
- Excellent performance under low light environments.

### Warranty:

10 years materials and workmanship warranty.  
25 years performance guarantees  
(90% up to 12 years, 80% up to 25 years).

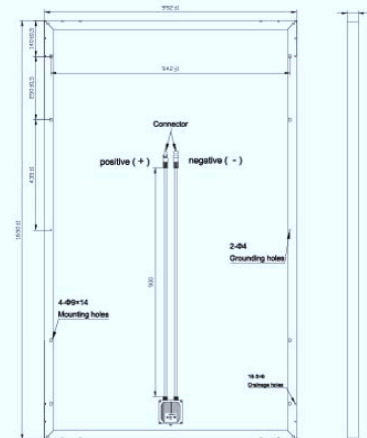
### Qualifications And Certificates:

ISO 9001:2008  
(Quality Management System) certified factory.  
IEC61215- IEC 61730 certified products.



## Specifications

Module type	RF-220P60	RF-225P60	RF-230P60	RF-235P60	RF-240P60	RF-245P60	RF-250P60
Max-Power	220W	225W	230W	235W	240W	245W	250W
Module Efficiency	13.5%	13.8%	14.1%	14.4%	14.8%	15.1%	15.4%
Power Tolerance	±3%						
Max-System Voltage	DC 600V(UL) / DC 1000V( IEC)						
Max-Power Voltage(Vmp)	29.18V	29.42V	29.7V	30.09V	30.54V	30.91V	31.29V
Max-Power Current(Imp)	7.54A	7.65A	7.74A	7.81A	7.86A	7.93A	7.99A
Open-Circuit Voltage(Voc)	35.95V	36.26V	36.53V	36.84V	37.25V	37.56V	38.08V
Short-Circuit Current(Isc)	8.33A	8.37A	8.42A	8.45A	8.48A	8.53A	8.55A
No.of Bypass Diodes	6						
Max.Series Fuse	15A						



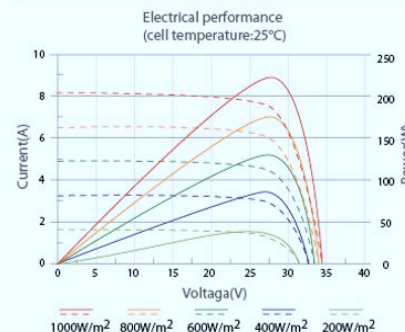
## Mechanical Characteristics

Number of Cells	60 (6x10) cells in serials
Cell	156x156mm
Dimension	1650x992x45mm
Weight	19Kg
Max Load	5400Pascals

## Temperature Coefficients

Pm Temperature Coefficient	-(0.45±0.05)%/°C
Isc Temperature Coefficient	0.06±0.015%/°C
Voc Temperature Coefficient	-(0.35±0.05)%/°C
NOCT-Nominal Operating Cell Temperature	46±2°C

## Electrical Characteristics



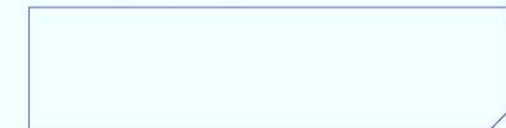
## Packaging Configuration

24pcs/pallet, 672pcs/40'HQ	20pcs/pallet, 240pcs/20'ft
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The specifications are obtained under the Standard Test Conditions (STC): 1000 W/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and 25°C cell temperature.  
The NOCT is obtained under the Test Conditions : 800 W/m<sup>2</sup>, 20°C ambient temperature, 1 m/s wind speed, AM 1.5 spectrum.

The parameters may be changed without notice due to product improvement.

Please contact [service@realforce-power.com](mailto:service@realforce-power.com) for technical support.



The company reserves the final right for explanation on any of the information presented hereby.