

# RF-230 P60



## POLYCRYSTALLINE SOLAR MODULES

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

### Performance:

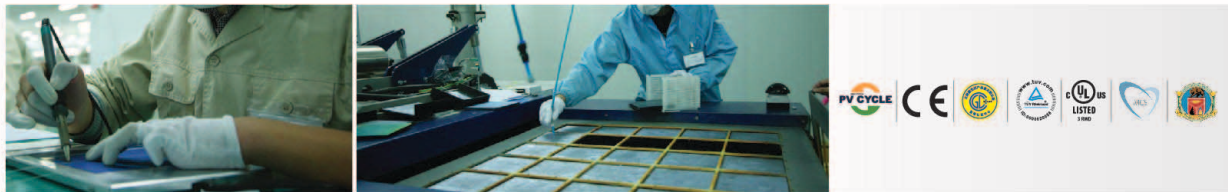
- High efficient solar cells with **high transmission deliver** excellent module performance, **minimizing installation costs** and **maximizing the kWh output** of your system per unit area.
- ±3%** tolerances ensures to provide customers with maximum power output.
- Entire module certificated to **withstand high wind loads** and snow loads (**5400Pa**).
- Excellent performance under **low light** environments.
- Positive tolerance according to the customers' requirement

### Warranty:

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

### Qualifications And Certificates:

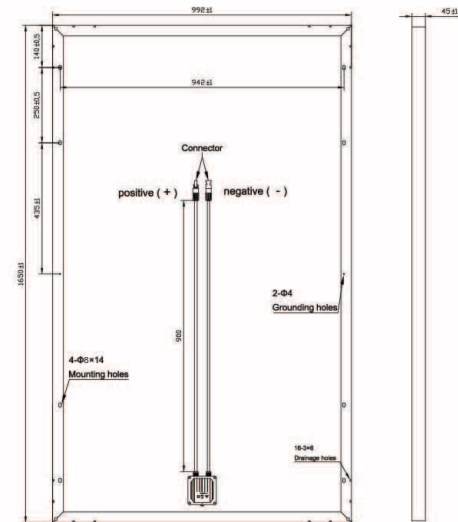
ISO 9001:2008 ISO 14001  
(Quality Management System) certified factory.  
IEC61215、IEC 61730 certified products.



# RF-230 P60

## 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%
PTC	200.8	205.4	210.1	214.8	219.5	224.1	228.8
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 (6×10) cells in serials
Cell	156×156mm
Dimension	1650×992×45mm
Weight	20Kg
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

## Packaging Configuration

23pcs/pallet, 644pcs/40'HQ

The specifications are obtained under the Standard Test Conditions (STCs):1000 W/m2 solar irradiance 1.5 Air Mass and 25°C cell temperature  
PTC are 1,000 Watts per square meter solar irradiance, 20 degrees C air temperature, and wind speed of 1 meter per second at 10 meters above ground level.  
The NOCT is obtained under the Test Conditions : 800 W/m2, 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.

## Electrical Characteristics

