

# WKE 235-255

## WATT POLYCRYSTALLINE MODULE



WKE-60PC235 235Wp    WKE-60PC240 240Wp    WKE-60PC245 245Wp  
WKE-60PC250 250Wp    WKE-60PC255 255Wp

### POLYCRYSTALLINE COLOUR MODULE

#### Characteristics

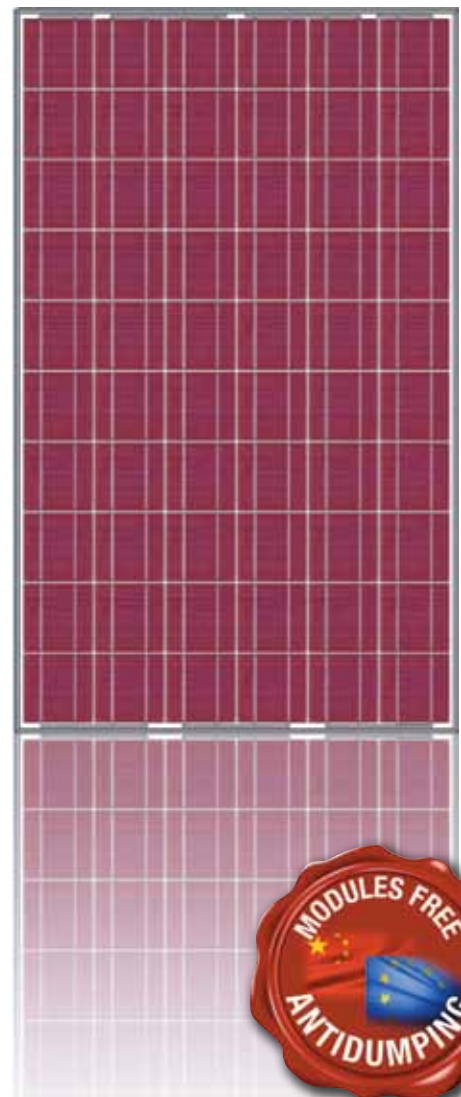
- Aesthetically appealing design with high efficiency color solar cells.
- High module conversion efficiency up to 15.44% through superior manufacturing technology.
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa and snow loads up to 5400Pa.
- Positive power tolerance of 0 ~ +3 %.
- High ammonia and salt mist resistance.

#### Quality Certificates

- IEC61215, IEC61730, IEC62716, IEC61701, UL1703, CE, MCS, CEC, Israel Electric, Kemco
- ISO9001:2008: Quality management system
- ISO14001:2004: Environmental management system
- OHSAS18001:2007: Occupational health and safety management system

#### Special Warranty

- 12 year limited product warranty.
- Limited power warranty: 12 years 91.2% of the nominal power output, 30 years 80.6% of the nominal power output.
- WKE Bankability
- CHUBB Insurance



## Electrical parameters at STC

Nominal Power (Pmax)	235W	240W	245W	250W	255W
Open Circuit Voltage (Voc)	37.3V	37.5V	37.7V	37.9V	38.0V
Short Circuit Current (Isc)	8.40A	8.48A	8.56A	8.64A	8.72A
Voltage at Nominal Power (Vmp)	29.5V	29.7V	29.9V	30.1V	30.3V
Current at Nominal Power (Imp)	7.97A	8.08A	8.20A	8.31A	8.42A
Module Efficiency (%)	14.23	14.53	14.83	15.13	15.44

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5

## Electrical parameters at NOCT

Nominal Power (Pmax)	172W	175W	179W	183 W	186W
Open Circuit Voltage (Voc)	34.3V	34.5V	34.7V	34.9 V	35.0V
Short Circuit Current (Isc)	6.80A	6.87A	6.93A	7.00A	7.06A
Voltage at Nominal Power (Vmp)	26.8V	27.0V	27.2V	27.4V	27.6V
Current at Nominal Power (Imp)	6.42A	6.49A	6.59A	6.68 A	6.74 A

NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1 m/s

## Mechanical Characteristics

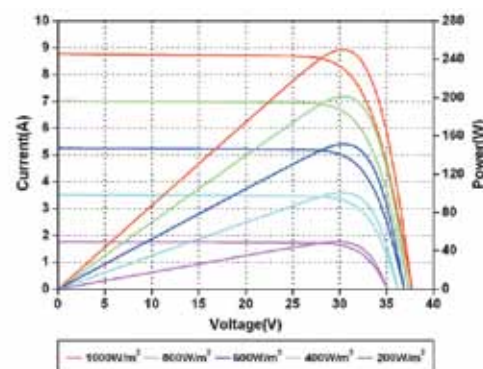
Cell type	Polycrystalline 156x156mm
Number of cells	60 (6x10)
Module dimension	1652x1000x50mm
Weight	22kg
Front cover	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP67, 6 diodes
Cable	4mm <sup>2</sup> , 900mm
Connector	MC4 or MC4 compatible
Standard packaging	20pcs/pallet
Module quantity per container	520pcs/40'HQ

## Temperature Characteristics

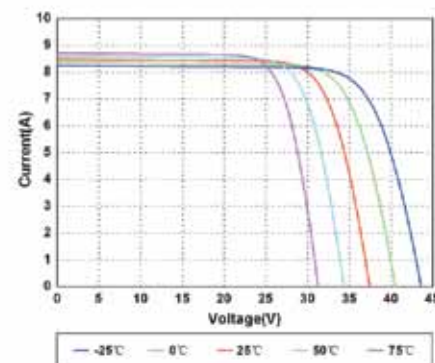
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of Pmax	-0.43%/°C
Temperature Coefficients of VOC	-0.33%/°C
Temperature Coefficients of ISC	+0.056%/°C

## Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	15A



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures