

WKE 240-265

WATT MONOCRYSTALLINE MODULE



WKE-96MB240 240Wp WKE-96MB245 245Wp WKE-96MB250 250Wp
WKE-96MB255 255Wp WKE-96MB260 260Wp WKE-96MB265 265Wp

MONOCRYSTALLINE BLACK MODULE

Characteristics

- Aesthetically appealing design with black backsheet and frame.
- High module conversion efficiency up to 15.70% 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)	240W	245W	250W	255W	260W	265W
Open Circuit Voltage (Voc)	59.6V	59.8V	60.0V	60.2V	60.4V	60.6V
Short Circuit Current (Isc)	5.41A	5.45A	5.49A	5.53A	5.56A	5.59A
Voltage at Nominal Power (Vmp)	47.7V	48.2V	48.7V	49.2V	49.7V	50.2V
Current at Nominal Power (Imp)	5.04A	5.09A	5.14A	5.19A	5.24A	5.28A
Module Efficiency (%)	14.22	14.52	14.82	15.11	15.41	15.70

STC: Irradiance 1000W/m², Cell temperature 25°C, AM1.5

Electrical parameters at NOCT

Nominal Power (Pmax)	175W	179W	183W	186W	190W	193W
Open Circuit Voltage (Voc)	54.8V	55.0V	55.2V	55.4V	55.6V	55.8V
Short Circuit Current (Isc)	4.38A	4.41A	4.45A	4.48A	4.50A	4.53A
Voltage at Nominal Power (Vmp)	43.4V	43.9V	44.3V	44.8V	45.2V	45.7V
Current at Nominal Power (Imp)	4.04A	4.08A	4.14A	4.16A	4.21A	4.23A

NOCT: Irradiance 800W/m², Ambient temperature 20°C, Wind speed 1 m/s

Mechanical Characteristics

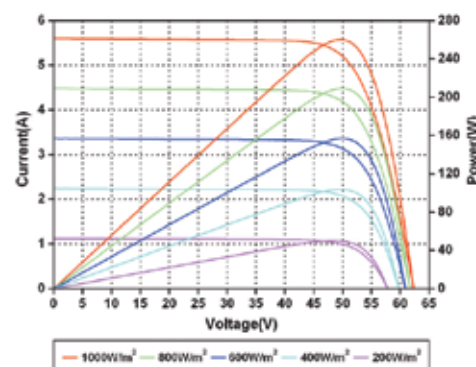
Cell type	Monocrystalline 125x125mm
Number of cells	96 (8x12)
Module dimension	1580x1068x40mm
Weight	20kg
Front cover	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP67, 4 diodes
Cable	4mm ² , 900mm
Connector	MC4 or MC4 compatible
Standard packaging	24pcs/pallet
Module quantity per container	288pcs/20'GP, 672pcs/40'GP

Temperature Characteristics

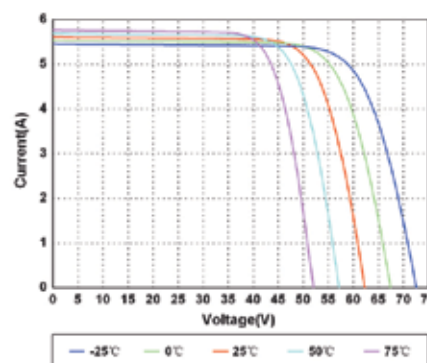
Nominal Operating Cell Temperature (NOCT)	45°C±2°C
Temperature Coefficients of Pmax	-0.43%/°C
Temperature Coefficients of VOC	-0.33%/°C
Temperature Coefficients of ISC	+0.056%/°C

Maximum Ratings

Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	10A



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures