

# WKE 185-210

## WATT MONOCRYSTALLINE MODULE



WKE-72M185-35 185Wp    WKE-72M190-35 190Wp    WKE-72M195-35 195Wp  
WKE-72M200-35 200Wp    WKE-72M205-35 205Wp    WKE-72M210-35 210Wp

### MONOCRYSTALLINE MODULE

#### Characteristics

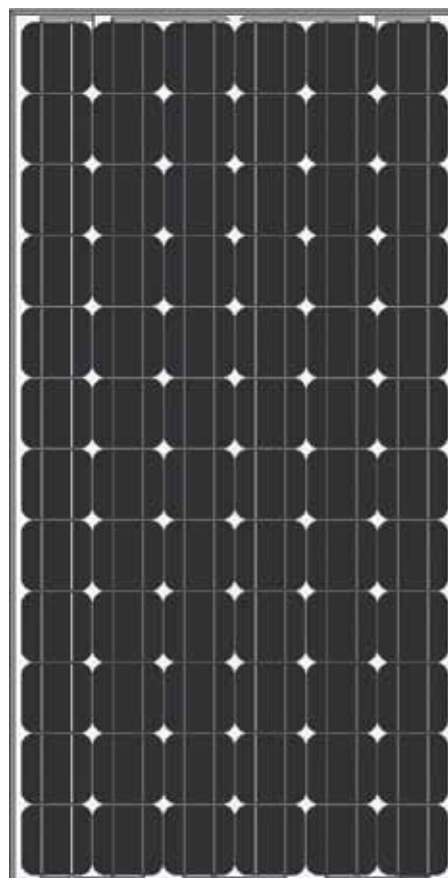
- High module conversion efficiency up to 16.45% through superior manufacturing technology.
- Low degradation and excellent performance under high temperature and low light conditions.
- Robust aluminum frame ensures the modules to withstand wind loads up to 2400Pa.
- Positive power tolerance of 0 ~ +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)	185W	190W	195W	200W	205W	210W
Open Circuit Voltage (Voc)	44.8V	45.0V	45.1V	45.2V	45.4V	45.6V
Short Circuit Current (Isc)	5.45A	5.54A	5.63A	5.72A	5.81A	5.90A
Voltage at Nominal Power (Vmp)	36.3V	36.5V	36.7V	36.9V	37.1V	37.3V
Current at Nominal Power (Imp)	5.10A	5.21A	5.32A	5.43A	5.53A	5.64A
Module Efficiency (%)	14.49	14.88	15.27	15.67	16.06	16.45

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

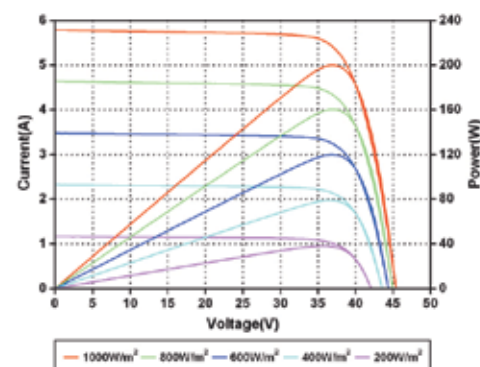
## Electrical parameters at NOCT

Nominal Power (Pmax)	135W	139W	142W	146W	150W	153W
Open Circuit Voltage (Voc)	41.2V	41.4V	41.5V	41.6V	41.8V	42.0V
Short Circuit Current (Isc)	4.41A	4.49A	4.56A	4.63A	4.71A	4.78A
Voltage at Nominal Power (Vmp)	33.0V	33.2V	33.4V	33.6V	33.8V	33.9V
Current at Nominal Power (Imp)	4.10A	4.19A	4.26A	4.35A	4.44A	4.52A

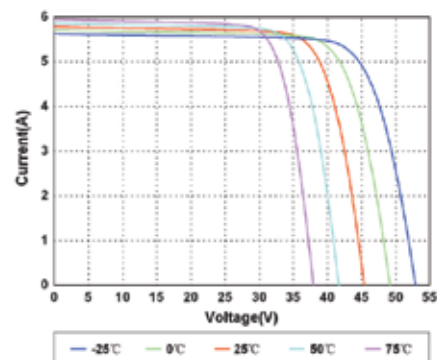
NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1 m/s

## Mechanical Characteristics

Cell type	Monocrystalline 125x125mm
Number of cells	72 (6x12)
Module dimension	1580x808x40mm
Weight	15.5kg
Front cover	3.2mm low-iron tempered glass
Frame	Anodized aluminum alloy
Junction box	IP67, 3 diodes
Cable	4mm <sup>2</sup> , 900mm
Connector	MC4 or MC4 compatible
Standard packaging	24pcs/pallet
Module quantity per container	288pcs/20'GP, 672pcs/40'GP



Current-Voltage and Power-Voltage Curves at Different Irradiances



Current-Voltage Curves at Different Temperatures

## 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