



KFSOLAR
wisdom enlighten future



KF MODULE monocrystalline

KF-72M5-160W KF-72M5-165W KF-72M5-170W
KF-72M5-175W KF-72M5-180W

- * High transmittance, low iron tempered glass with enhanced stiffness and impact resistance.
- * Unique frame design with high mechanical strength for easy installation.
- * Advanced encapsulation material with multilayer sheet lamination to provide long-life and enhanced cell performance.
- * Outstanding electrical performance under high temperature and low irradiance conditions.
- * Carbon Friendly.

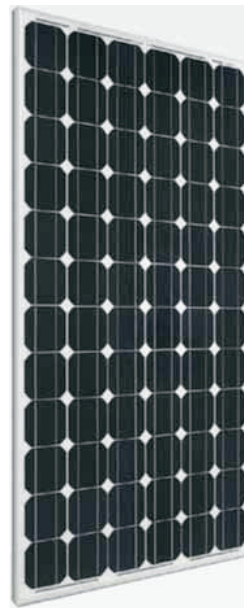
Warranty:

5 years for product defects in materials and workmanship
10 years for 90% of warranted minimum power
25 years for 80% of warranted minimum power

Certificates:



IEC: IEC 61215, IEC 61730 (1&2), conformity to CE
ISO9001:2008 GB/T 19001-2008
ISO9001:2008 Quality Management System
PV Cycle: Voluntary module take back and recycling program





ELECTRICAL CHARACTERISTICS

Type	KF-72M5-160W	KF-72M5-165W	KF-72M5-170W	KF-72M5-175W	KF-72M5-180W
Nominal Out	160W	165W	170W	175W	180W
Power Tolerance	(0, +5) W	(0, +5) W	(0, +5) W	(0, +5) W	(0, +5) W
Voltage at Pmax(Vmp)	35.0V	35.2V	35.4V	35.8V	35.9V
Current at Pmax(Imp)	4.60A	4.68A	4.76A	4.88A	5.01A
Open Circuit Voltage(Voc)	44.0V	44.2V	44.5V	44.7V	44.9V
Short Circuit Current(Isc)	5.38A	5.40A	5.42A	5.43A	5.46A
Maximum System Voltage	1000V(TUV) ; 600V(UL)				
Cell Efficiency	15.37%	15.85%	16.33%	16.81%	17.28%
Module Efficiency	12.48%	12.88%	13.27%	13.66%	14.05%

MECHANICAL CHARACTERISTICS

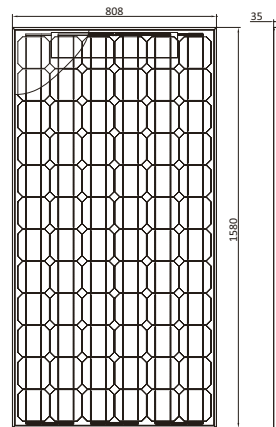
Dimensions	1580X808X35mm
Weight	15kg
Junction Box	IP65 rated
Type of Connector	MC4 or compatible connector
Solar Cells	72(6X12) Mono-crystalline cells 125mm
Frame	Anodized aluminum alloy

TEMPERATURE CHARACTERISTICS

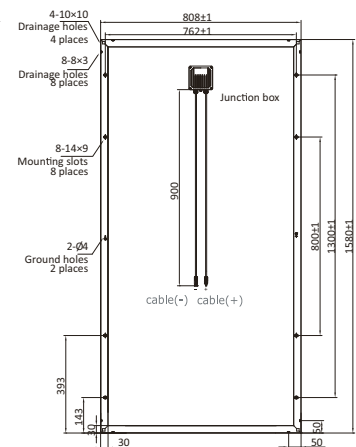
NOCT	44.4±2°C
Temperature Coefficient of Pmax	-0.46%/°C
Temperature Coefficient of Voc	-0.346%/°C
Temperature Coefficient of Isc	0.065%/°C
Operating Temperature	-40~+80°C

DIMENSIONS

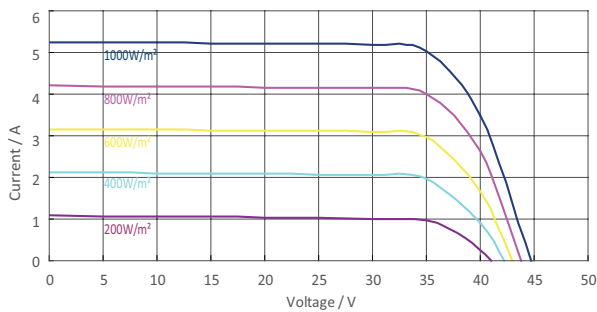
Front View



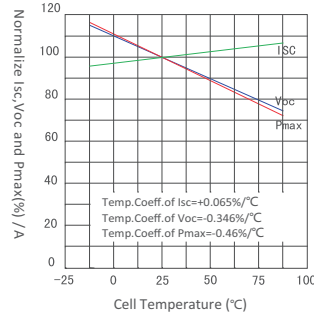
Back View



IV CURVE AT DIFFERENT IRRADIANCE LEVELS



Temperature dependence of Isc, Voc and Pmax



Irradiance dependence of Isc, Voc and Pmax (cell temperature: 25°C)

