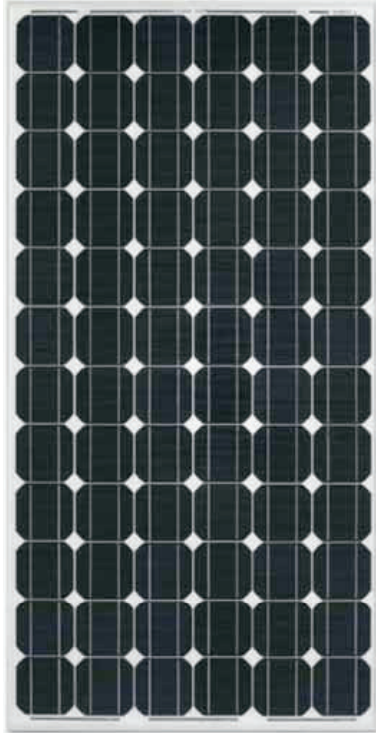




KFSOLAR
wisdom enlighten future



KF MODULE monocrystalline

KF-72M5-175W KF-72M5-180W KF-72M5-185W
KF-72M5-190W KF-72M5-195W

- * 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-72M5-175W	KF-72M5-180W	KF-72M5-185W	KF-72M5-190W	KF-72M5-195W
Nominal Out	175W	180W	185W	190W	195W
Power Tolerance	(0, +5) W	(0, +5) W	(0, +5) W	(0, +5) W	(0, +5) W
Voltage at Pmax(Vmp)	35.8V	35.9V	36.0V	36.0V	36.1V
Current at Pmax(Imp)	4.88A	5.01A	5.14A	5.28A	5.34A
Open Circuit Voltage(Voc)	44.7V	44.9V	44.8V	45.0V	45.3V
Short Circuit Current(Isc)	5.43A	5.46A	5.47A	5.50A	5.53A
Maximum System Voltage	1000V(TUV) ; 600V(UL)				
Cell Efficiency	16.81%	17.28%	17.67%	18.05%	18.49%
Module Efficiency	13.66%	14.05%	14.44%	15.22%	15.68%

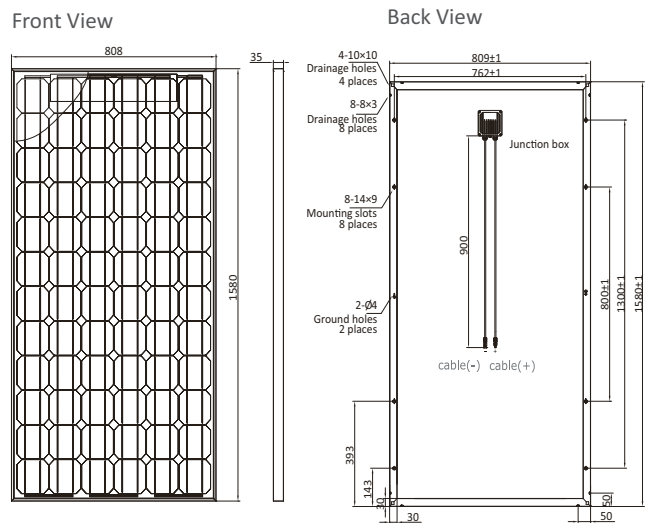
MECHANICAL CHARACTERISTICS

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

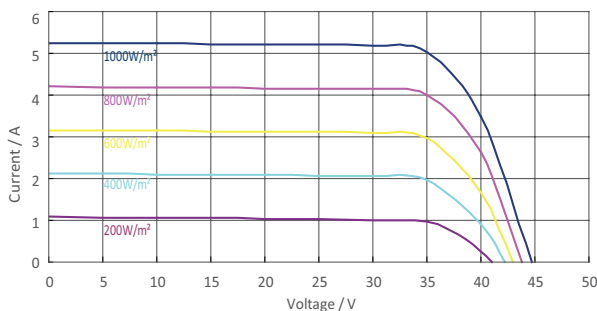
TEMPERATURE CHARACTERISTICS

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

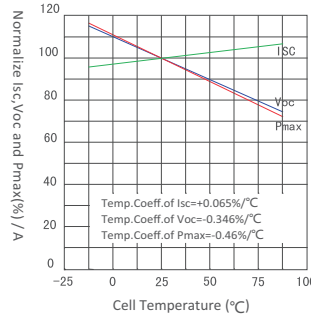
DIMENSIONS



IV CURVE AT DIFFERENT IRRADIANCE LEVELS



Temperature dependence of Isc, Voc and Pmax



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

