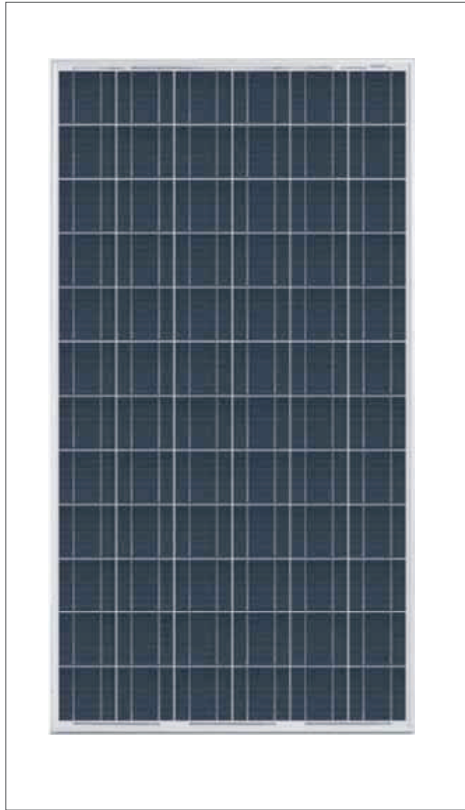




KFSOLAR
wisdom enlighten future



KF MODULE

Polycrystalline

KF-72P6-270W KF-72P6-275W KF-72P6-280W
KF-72P6-285W KF-72P6-290W

- * 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.

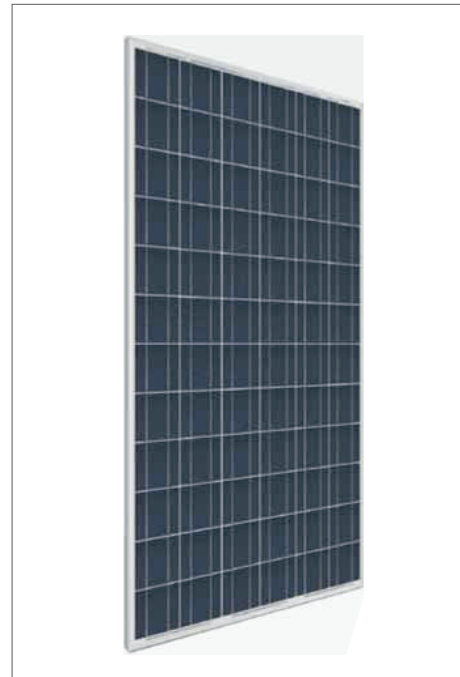
Warranty:

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-72P6-270W	KF-72P6-275W	KF-72P6-280W	KF-72P6-285W	KF-72P6-290W
Nominal Out	270W	275W	280W	285W	290W
Power Tolerance	(0, +5) W	(0, +5) W	(0, +5) W	(0, +5) W	(0, +5) W
Voltage at Pmax(Vmp)	36.2V	36.2V	36.3V	36.3V	36.4V
Current at Pmax(Imp)	7.47A	7.60A	7.72A	7.85A	7.97A
Open Circuit Voltage(Voc)	44.2V	44.3V	44.3V	44.3V	44.4V
Short Circuit Current(Isc)	8.21A	8.28A	8.36A	8.37A	8.40A
Maximum System Voltage	1000V(TUV) ; 600V(UL)				
Cell Efficiency	16.05%	16.35%	16.66%	16.95%	17.26%
Module Efficiency	13.87%	14.13%	14.39%	14.60%	14.92%

MECHANICAL CHARACTERISTICS

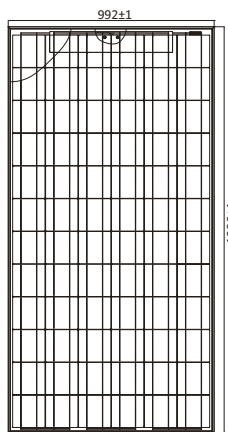
Dimensions	1956X992X40mm
Weight	25kg
Junction Box	IP65 rated
Type of Connector	MC4 or compatible connector
Solar Cells	72(6X12) Poly-crystalline cells 156mm
Frame	Anodized aluminum alloy

TEMPERATURE CHARACTERISTICS

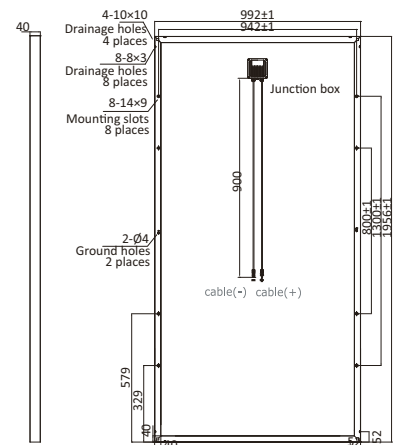
NOCT	44.4±2°C
Temperature Coefficient of Pmax	-0.46%/°C
Temperature Coefficient of Voc	-0.346%/°C
Temperature Coefficient of Isc	0.065%/°C
Operating Temperature	-40~+80°C

DIMENSIONS

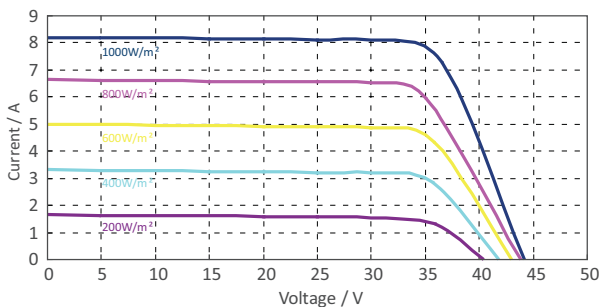
Front View



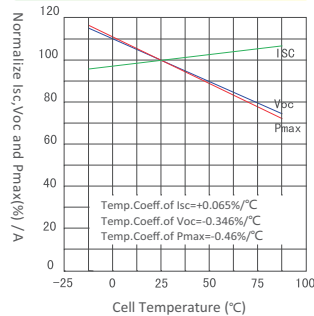
Back View



IV CURVE AT DIFFERENT IRRADIANCE LEVELS



Temperature dependence of Isc, Voc and Pmax



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

