



KFSOLAR
wisdom enlighten future



KF MODULE

Polycrystalline

KF-P45W

- * 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





KF-P45W Specification for Poly-Crystalline Silicon Solar Module with 45W Maximum Power

SPECIFICATION DATA

Cell	Poly-Crystalline silicon solar cells
No. of cells and connections	36series
Application	DC 12V system
Max. system voltage	715VDC
Power tolerance	±3%
Surface Maximum Load Capacity	60 m/s(200kg/sq. m)
Weight	5.7kg
Dimensions	576*670*35mm
Packing	6pcs/ctn

ELECTRICAL CHARACTERISTICS

Max. power	45W
Open circuit voltage(V)	21.5
Short circuit current(A)	2.85
Max. power voltage(V)	17.5
Max. power current(A)	2.57
Temperature coefficients of Isc(%)	0.1/°C
Temperature coefficients of Voc(%)	-0.33/°C
Temperature coefficients of Pm(%)	-0.23/°C
Temperature coefficients of Im(%)	0.08/°C
Temperature coefficients of Vm(%)	-0.33/°C
Cells Efficiency(%)	≥14.5
FF(%)	73
Conditions: (STD)	Irradiance: 1000W/m ² Cell temperature: 25°C

ABSOLUTE MAXIMUM RATING

Operating temperature	-40~ +80°C
Storage temperature	-40~ +80°C