

40 watt High Efficiency Photovoltaic Module

Item No: KS-M40W

Electrical Characteristics

Cell Type	Monocrystalline solar module
Norminal Power	Pmax=40W
Open Circuit Voltage	Voc=21.6V
Short Circuit Current	Isc=2.39A
Voltage at Pmax	Vm=18V
Current at Pmax	Im=2.22A
Standard Test Conditions(STC):Irradiance:1000W/m ² ,25℃, AM 1.5	
Power tolerance: ±5%	

Reliability Statistics

Operating Temperature Range	-40℃ to +90℃
Storage Humidity	< 90%
Mechanical Load Test	5400Pa
Resistances	227g stell ball fall down from 1m height and 60m/s wind
Surface Maximum Load Capacity	60m/s (200kg/sq.m)
Outstanding performance under low light irradiance	

Performance Irradiance Curve

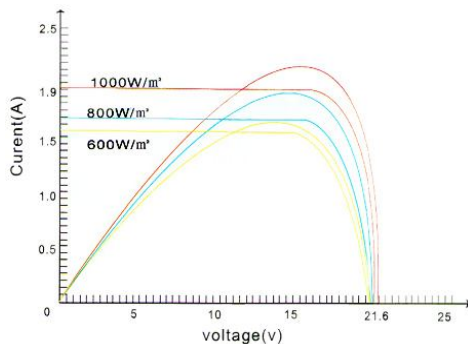
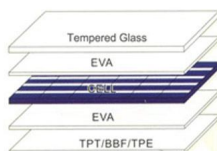
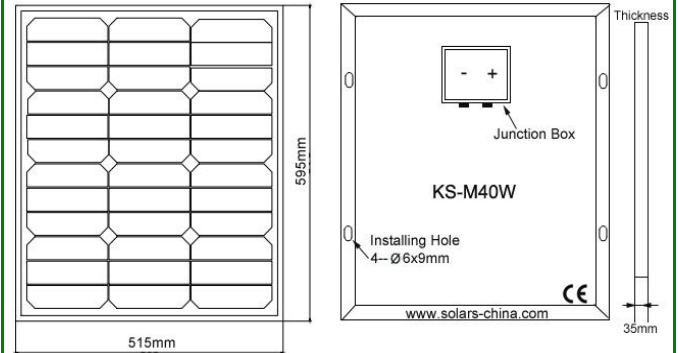


Figure of Cell Structure

Structure of Tempered Glass Lamination



External View



Nominal 12 V DC for standard output

Mechanical Specifications

Dimensions(H*W*T) as above	595x515x35mm(±0.5mm)
Solar Cell	Monocrystalline solar cell 156x156mm
Cell Efficiency (%)	19%
Front Cover	Tempered Glass, 3.2mm thickness
Back Cover	White polyester
Frame	Anodized aluminum alloy. Color: Silver
Junciton Box	IP65 Rated, black, without Cables
Weight	4.5Kg
Limited Warranty	2 Years Workmanship

Temperature coefficient

NOCT	45℃±2℃
Current temperature coefficient	0.06±0.01%/K
Voltage temperature coefficient	-(78±10)MV/K
Power Temperature coefficient	-(0.5±0.05)%/K
NOCT: Nominal Operation Cell Temperature	

Property For System Design

Series Fuse Rating	8A
Maximum System Voltage	700V
Module Life	90% output for 10 years, 80% for 25 years

THE TECHNICAL FILES PROVIDED BY CHINA SOLAR LTD

Design and specifications are subject to change without notice

Office Address:
N0.401,ZhongKang Pioneer Park,ZhongKang Road,
Futian District, ShenZhen City,Guangdong Province,China
Factory Address:
Longxi Hi-tech Industrial Park, Longcheng Road, Longgang
Town, ShenZhen City,Guangdong Province,China



CHINA SOLAR LTD

<http://www.solars-china.com>
<http://www.solars-china.net>
Tel: +86.755.8351 5659
Fax: +86.755.8271 6024
E-mail: market@solars-china.com