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Solar Panel Guide Specification Data Sheet

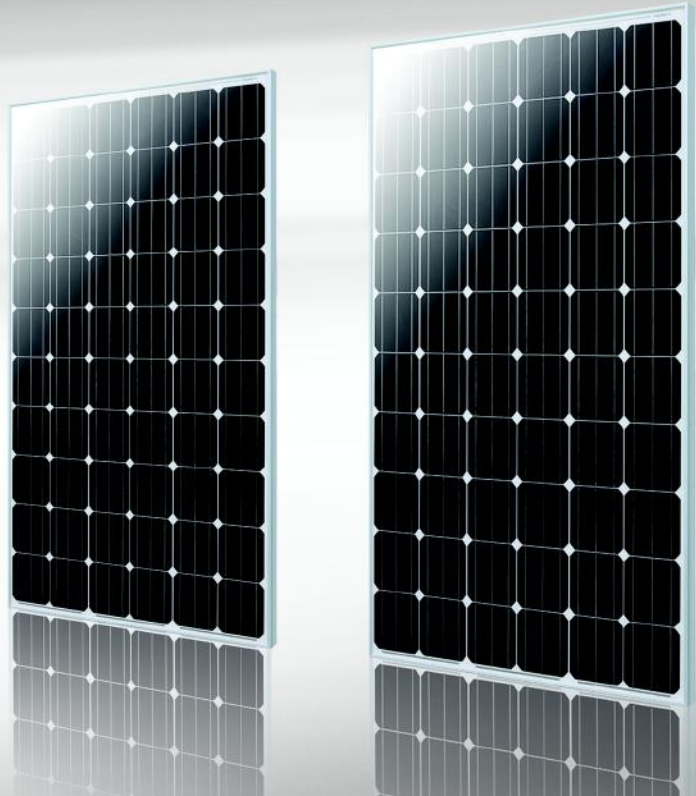
**Fortune CP Ltd
FCP-MWF 255-270W
FCP-MWF 255W**

Also available on the web at
EnergyPal.com/fortune-cp-ltd-solar-panels/fcp-mwf-255w

FORTUNE CP MODULE

Monocrystalline

FCP-MWF 270W
 FCP-MWF 265W
 FCP-MWF 260W
 FCP-MWF 255W



High conversion efficiency
 High module efficiency to guarantee power output.



Self-cleaning glass
 Coating glass for self-cleaning, reduce surface dust.



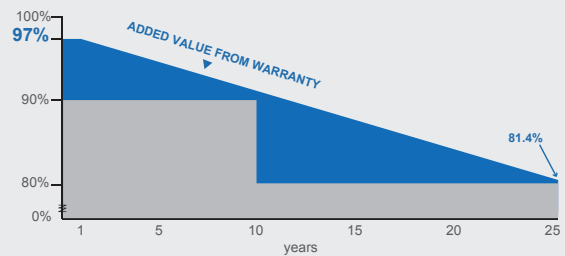
Outstanding low irradiation performance
 Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



Excellent loading capability
 2400Pa wind loads, 5400Pa snow loads.

0 to +5W

0 to +5W positive tolerance
 Detailed information in Electrical Specifications.



25 25-year performance warranty

10 10-year warranty on materials and workmanship

IEC 61215 Ed.2
 IEC 61730
 IEC 61701



ELECTRICAL SPECIFICATIONS

Model Type				
Peak Power (Pmax)	270W	265W	260W	255W
Module Efficiency	16.60%	16.29%	15.98%	15.67%
Maximum Power Voltage (Vmp)	30.83V	30.53V	30.85V	30.65V
Maximum Power Current (Imp)	8.76A	8.68A	8.43A	8.32A
Open Circuit Voltage (Voc)	38.68V	38.29V	38.22V	37.85V
Short Circuit Current (Isc)	9.12A	9.10A	9.01A	8.92A
Power Tolerance	0 to +5W			
Maximum System Voltage	DC 1000V (IEC)			
Nominal Operating Cell Temperature	44.4±2°C			
Fire Safety	Class C			
Maximum Series Fuse Rating	20A			

MECHANICAL SPECIFICATIONS

Cell Type	156mm x 156mm
Number of Cells	60 cells in series
Weight	18.8 kg (41.45 lbs)
Dimension	1640×992×40mm (64.57×39.06×1.58 inch)
Max Load	5400 Pascals (112 lb/ft ²)
Junction Box	IP67 rated
Connector	MC4 Compatible

TEMPERATURE COEFFICIENT

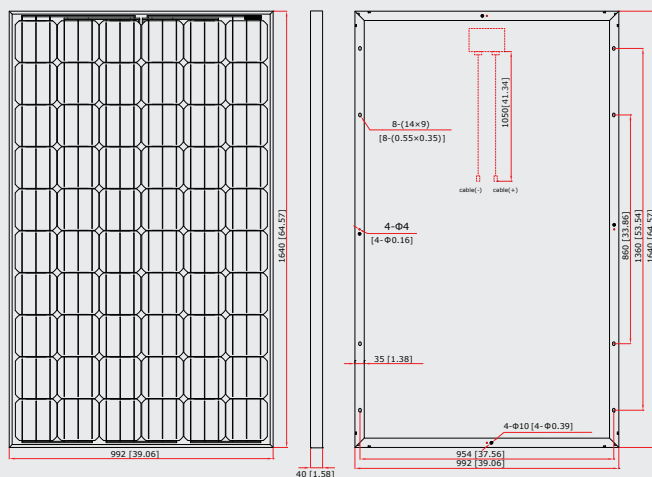
Temp. Coeff. of Isc (TK Isc)	0.02% /°C
Temp. Coeff. of Voc (TK Voc)	-0.31% /°C
Temp. Coeff. of Pmax (TK Pmax)	-0.44% /°C

PACKING MANNER

Container	20' GP	40' GP
Pieces per Pallet	26	26
Pieces per Container	312	728

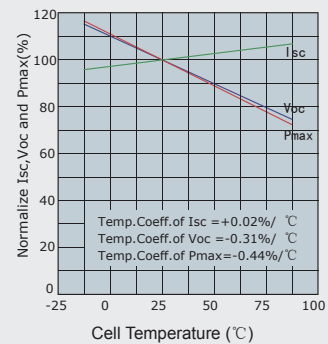
PHYSICAL CHARACTERISTICS

Unit:mm (inch)

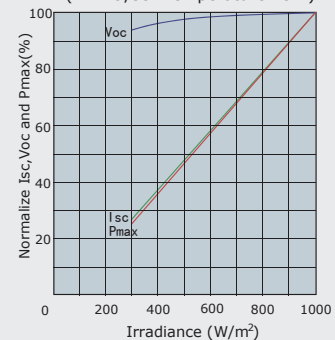


ELECTRICAL CHARACTERISTICS

Temperature Dependence of Isc, Voc and Pmax



Irradiance Dependence of Isc, Voc and Pmax (AM1.5, Cell Temperature 25°C)



Note: the specifications are obtained under the Standard Test Conditions (STCs): 1000 W/m² solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800 W/m², 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.

Please contact info@fortuneep.com for technical support. Actual legally binding transactions will be subject to contract. The parameters are for reference only and not part of a contract. The specifications are subject to change without prior notice. Fortune CP Ltd, Regus House, Admirals Park, Dartford, DA2 6QD, UK. (44)1322303070. www.fortuneep.com