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EnergyPal

Solar Panel Guide Specification Data Sheet

**Fortune CP Ltd
FCP-PWF 245-260W
FCP-PWF 245W**

Also available on the web at
EnergyPal.com/fortune-cp-ltd-solar-panels/fcp-pwf-245w

FORTUNE CP MODULE

Polycrystalline

FCP-PWF 260W

FCP-PWF 255W

FCP-PWF 250W

FCP-PWF 245W



High conversion efficiency
High module efficiency to guarantee power output.



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



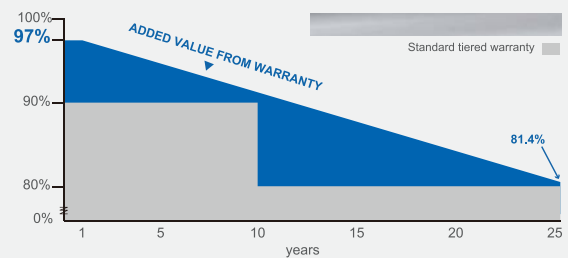
Outstanding low irradiation performance
Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



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

ELECTRICAL SPECIFICATIONS

Peak Power (Pmax)	260W	255W	250W	245W
Module Efficiency	15.98%	15.67%	15.37%	15.06%
Maximum Power Voltage (Vmp)	31.48V	30.91V	30.34V	30.14V
Maximum Power Current (Imp)	8.26A	8.25A	8.24A	8.13A
Open Circuit Voltage (Voc)	38.09V	37.54V	37.47V	37.27V
Short Circuit Current (Isc)	8.84A	8.82A	8.76A	8.73A
Power Tolerance	0 to +5W			
Maximum System Voltage	DC 600V/1000V			
Nominal Operating Cell Temperature	45.3±2°C			
Maximum Series Fuse Rating	15A			

MECHANICAL SPECIFICATIONS

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

TEMPERATURE COEFFICIENT

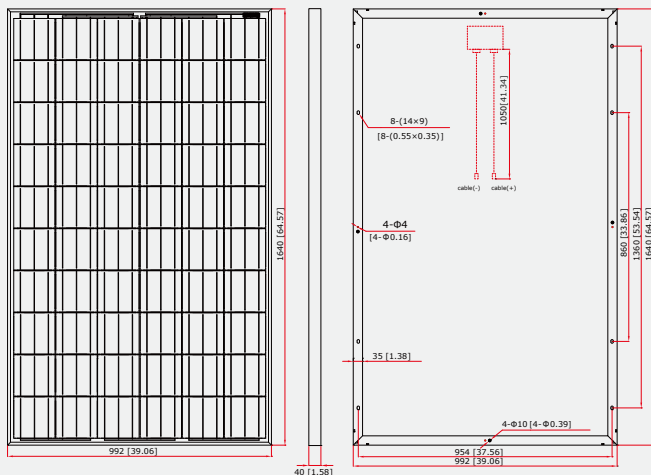
Temp. Coeff. of Isc (TK Isc)	0.04 %/°C
Temp. Coeff. of Voc (TK Voc)	-0.34 %/°C
Temp. Coeff. of Pmax (TK Pmax)	-0.44 %/°C

PACKING MANNER

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

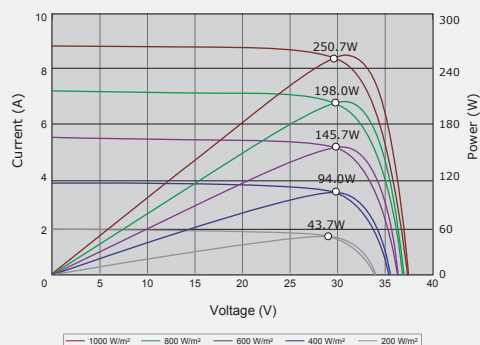
PHYSICAL CHARACTERISTICS

Unit:mm (inch)

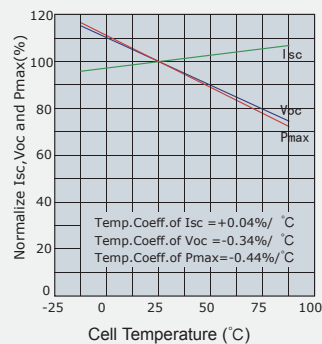


ELECTRICAL CHARACTERISTICS

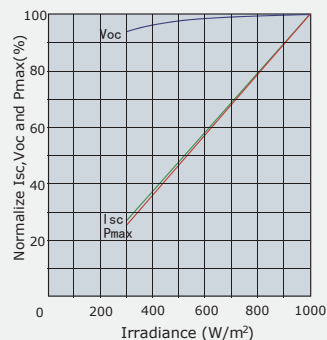
Current-Voltage & Power-Voltage Curve (AM1.5, Cell Temperature 25°C)



Temperature Dependence of Isc, Voc and Pmax



Irradiance Dependence of Isc, Voc and Pmax (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