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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Fortune CP Ltd  
FCP-PWF 300-315W  
FCP-PWF 300W**

Also available on the web at  
[EnergyPal.com/fortune-cp-ltd-solar-panels/fcp-pwf-300w](http://EnergyPal.com/fortune-cp-ltd-solar-panels/fcp-pwf-300w)

# FORTUNE CP MODULE

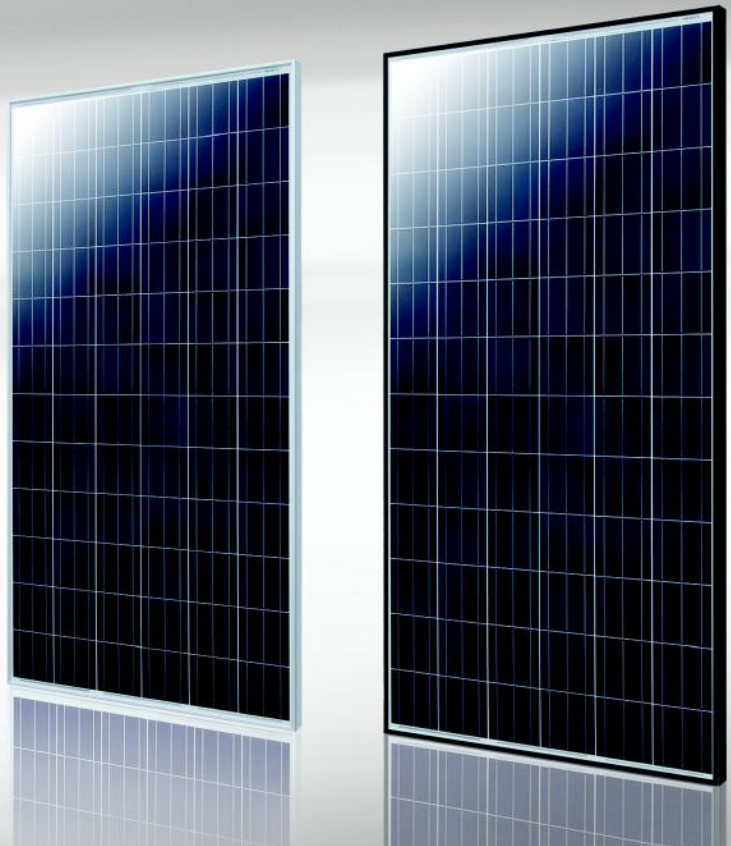
## Polycrystalline

FCP-PWF 315W

FCP-PWF 310W

FCP-PWF 305W

FCP-PWF 300W



High conversion efficiency  
High module efficiency to guarantee power output.



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



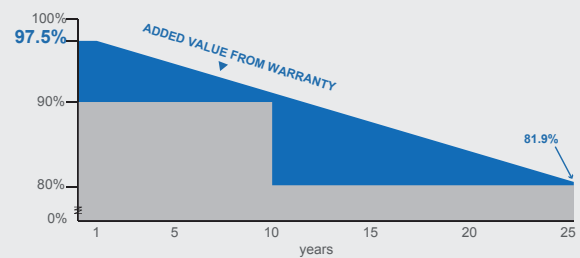
Outstanding low irradiation performance  
Excellent module efficiency even in the weak light conditions, such as morning or cloudy.



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)	315W	310W	305W	300W
Module Efficiency	16.23%	15.98%	15.72%	15.46%
Maximum Power Voltage (Vmp)	36.81V	36.54V	36.23V	35.68V
Maximum Power Current (Imp)	8.56A	8.49A	8.42A	8.41A
Open Circuit Voltage (Voc)	45.75V	45.65V	45.18V	45.10V
Short Circuit Current (Isc)	9.12A	9.08A	9.04A	8.99A
Power Tolerance	0 to +5W			
Maximum System Voltage	DC 1000V (IEC)			
Nominal Operating Cell Temperature	45.3±2°C			
Fire Safety	Class C			
Maximum Series Fuse Rating	20A			

## MECHANICAL SPECIFICATIONS

Cell Type	156mm x 156mm
Number of Cells	72 cells in series
Weight	26.3 kg (57.98 lbs)
Dimension	1956×992×40mm (77.01×39.06×1.58 inch)
Max Load	5400 Pascals ( 112 lb/ft <sup>2</sup> )
Junction Box	IP67 rated
Connector	MC4 Compatible

## TEMPERATURE COEFFICIENT

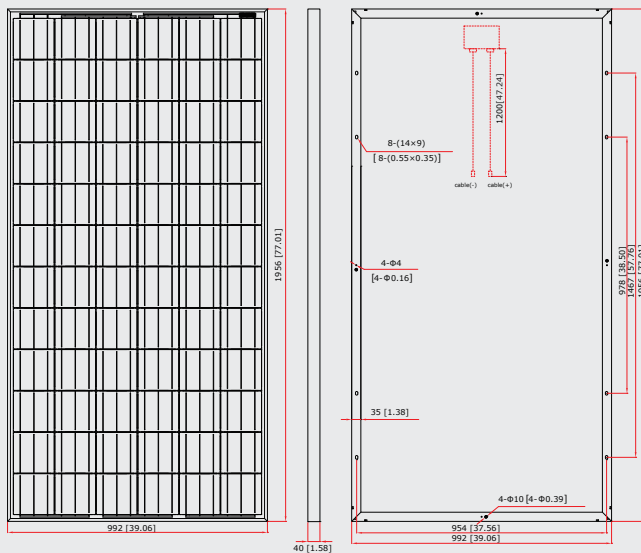
Temp. Coeff. of Isc (TK Isc)	0.04% /°C
Temp. Coeff. of Voc (TK Voc)	-0.34% /°C
Temp. Coeff. of Pmax (TK Pmax)	-0.44% /°C

## PACKING MANNER

Container	40' HQ
Pieces per Pallet	26
Pieces per Container	572

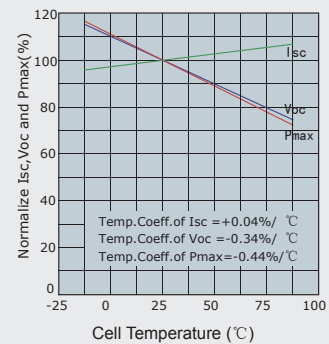
## PHYSICAL CHARACTERISTICS

Unit:mm (inch)

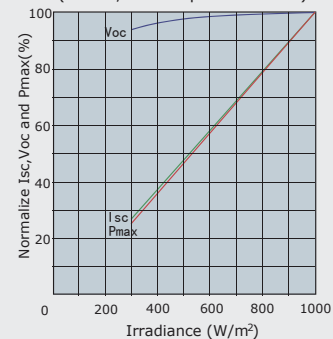


## ELECTRICAL CHARACTERISTICS

### 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/m<sup>2</sup> solar irradiance, 1.5 Air Mass, and cell temperature of 25°C. The NOCT is obtained under the Test Conditions: 800 W/m<sup>2</sup>, 20°C ambient temperature, 1m/s wind speed, AM 1.5 spectrum.

Please contact [info@fortunecp.com](mailto:info@fortunecp.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.fortunecp.com](http://www.fortunecp.com)