

75W and 80W Mono-crystalline Solar Panels

Fortune CP Mono-crystalline modules are advanced, utilising mono-crystalline cells with anti-reflective coating. Features include: plug and play connectors, high transmission, tempered glass and bypass diodes protection.

The modules have been designed for both grid and off-grid applications such as large commercial systems, residential systems, telecommunication, and many more.

These modules offer superior performance, larger high efficiency cells, providing superior power density.

Applications

- Grid-tie residential systems
- Power plants/solar farms
- Off-grid home/industrial systems
- Water pumping
- Telecommunication
- Rural Electrification

Performance, Warranties

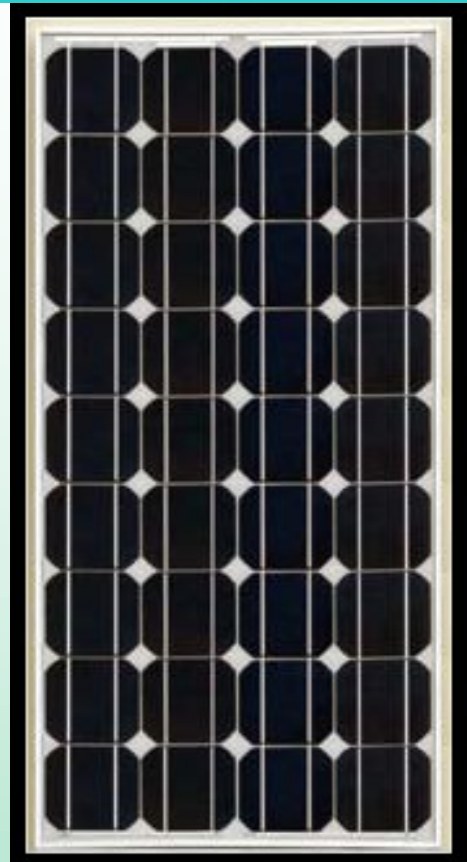
Rated power : 75W to 80W

Power tolerance : 0 to 3%

10 year warranty - At least 90% of rated output

25 year warranty - At least 80% of rated output

5 years materials and workmanship



TECHNICAL DATA SHEET 75M、80M

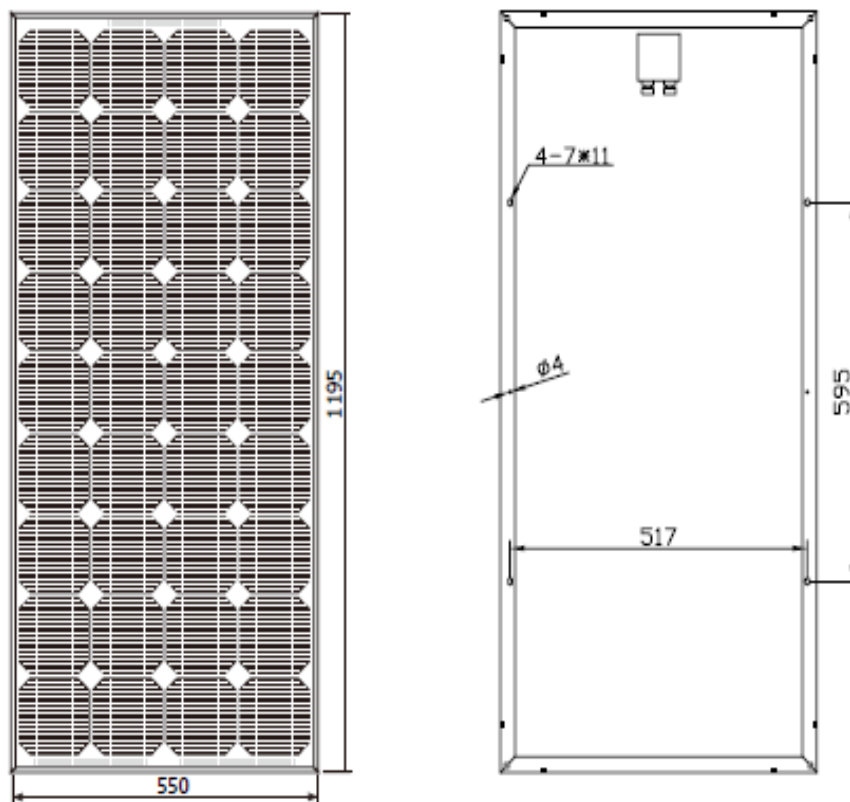
Technical Data

Type	75M、80M		
Type of Solar Cell	Mono-crystalline, 125mm×125mm		
Number of Cells	36 pcs		
Size of module	1195×550×30mm		
Module, Weight	8 kg		
Connector / Cross-Section	GZX		
Cables, Length (+/-)	Customizable		
Front Cover Glass	3.2mm Hight Light Safety Glass		
Packaging materials	EVA, Polyester		
Frame	Silver Anodized Aluminium		

Electrical Data

Maximum Power	$P_{MPP\ STC}$	75 W	80 W
Power Tolerance	Δ_{STC}	0~+3%	0~+3%
Maximum Power Voltage	$U_{MPP\ STC}$	17.4 V	17.6 V
Maximum Power Current	$I_{MPP\ STC}$	4.31 A	4.55 A
Open Circuit Voltage	$U_{OC\ STC}$	22.0 V	22.2 V
Short Circuit Current	$I_{SC\ STC}$	4.73 A	4.94 A
Cell Efficiency	η_{STC}	14.0%	14.9%
Maximum System Voltage	U_{DC}	700 V	700 V

STC: Irradiance 1000 W/m²; Spectrum AM 1.5; Cell Temperature 25°C, Wind 0 m/s



Temperature Coefficients

Power Coefficient	$\alpha_k (P_{MPP})$	- 0.47 %/K
Voltage Coefficient	$\beta_k (U_{OC})$	- 0.35 %/K
Current Coefficient	$\varphi_k (I_{SC})$	0.065 %/K

Power Warranty

10 years performance warranty to 90 %

25 years performance warranty to 80 %

5 years warranty against production and material defects

Certifications

IEC 61215, IEC 61730 ,TUV, CE, ISO9001:2000

Panels are manufactured by a factory with the following certificates



Regus House, Victory Way, Admirals Park
 Dartford, DA2 6QD, Kent, UK
Tel: (44)1322303070 **Fax:** (44)1322303072
Email: sales@fortune-cp.co.uk
Websites: www.fortune-cp.co.uk