

## 215W, 220W, 225W, 230W, 235W, 240W, 245W, 250W 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 : 215W to 250W

Power tolerance : 1.5%

10 year warranty - At least 90% of rated output

25 year warranty - At least 80% of rated output

5 years materials and workmanship

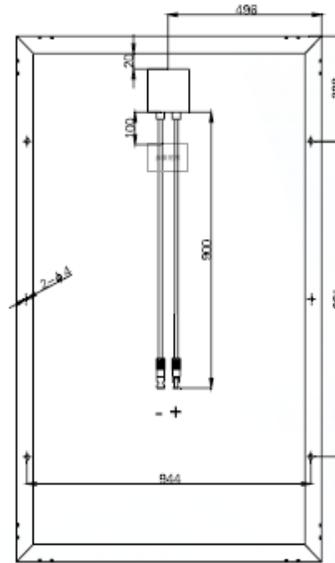
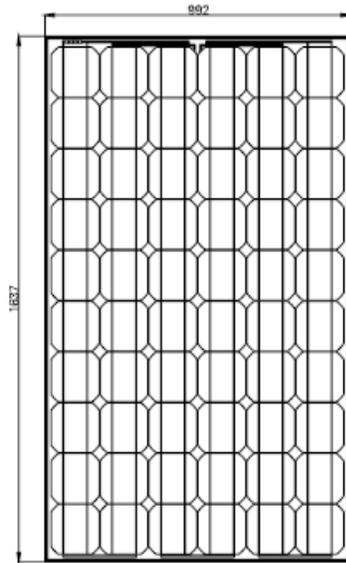


### SPECIFICATIONS

Module Type		FCSR250M	FCSR245M	FCSR240M	FCSR235M	FCSR230M	FCSR225M	FCSR220M	FCSR215M
		250W	245W	240W	235W	230W	225W	220W	215W
Maximum Power	Pm(W)	254.9	249.9	244.9	239.9	234.9	229.9	224.9	219.9
Tolerance	(%)	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5	±1.5
Open Circuit Voltage	Voc(V)	38.00	37.78	37.56	37.50	37.32	37.02	36.96	36.84
Short Circuit Current	Isc(A)	8.40	8.34	8.29	8.26	8.18	8.11	8.09	8.05
Maximum Power Voltage	Vm(V)	31.49	31.35	31.20	30.96	30.48	30.00	29.82	29.70
Maximum Power Current	Im(A)	7.94	7.82	7.69	7.59	7.55	7.50	7.38	7.24
Module Efficiency	(%)	15.30	14.95	14.65	14.35	14.04	13.74	13.43	13.13
Solar Cell Efficiency	(%)	17.63	17.22	16.88	16.63	16.13	15.63	15.38	15.13
Cell Type	(mm)	156×156 (Mono-Crystalline Silicon)							
Number of Cells	(Pcs)	60							
Maximum System Voltage	(V)	DC1000							
Temp. Coeff. of Voc	(%/°C)	-0.31							
Temp. Coeff. of Isc	(%/°C)	0.03							
Temp. Coeff. of Pm	(%/°C)	-0.37							
Operating Temperature	(°C)	-40 to 85							
Nominal Operating Cell Temperature(NOCT)	(°C)	45±2							
Max.Series Fuse	(A)	15							
Insulation	(MΩ)	50							
Wind Bearing	(Pa)	≤5400							
Pressure Bearing	(Pa)	≤2400							

STC(Standard Test Conditions): 1000W/m<sup>2</sup> AM=1.5 25°C

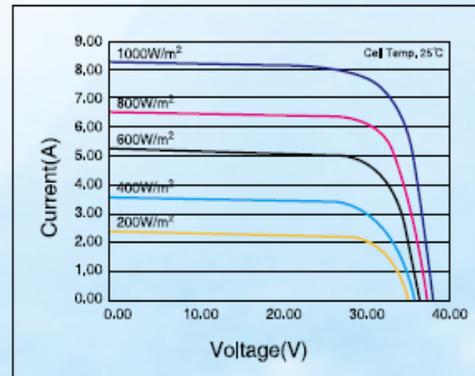
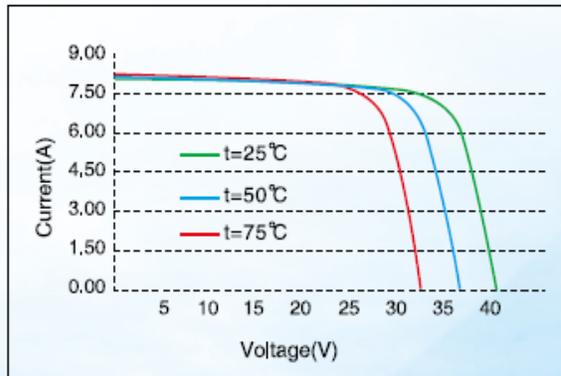
# PHYSICAL CHARACTERISTICS Unit:mm



Dimensions	(mm)	1637×992×48
Weight	(kg)	20

Packing Configuration	2 pcs/carton
Quantity/Pallet	36 pcs/pallet
Loading Capacity	216 pcs/20ft container
	468 pcs/40ft container

# ELECTRICAL CHARACTERISTICS



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@fortuneCP.co.uk](mailto:sales@fortuneCP.co.uk)  
**Websites:** [www.fortuneCP.co.uk](http://www.fortuneCP.co.uk)