



# Webel SOLAR



- > Module efficiency  $\geq 14\%$  ensures optimum performance even in diffused light conditions
- > 15 years warranty\* on electrical performance
- > Calibration modules for output measurement regularly tested at Fraunhofer ISE
- > Integrated manufacturing of cells and modules in one production line guarantees optimum performance
- > ISO 9001:2000 certification ensures consistent product quality
- > Modules are approved for IEC/EN 61215 and IEC/EN 61730 from various reputed institutes like EURO TEST & CSA INTERNATIONAL
- >  $\pm 5\%$  output tolerance\*\*

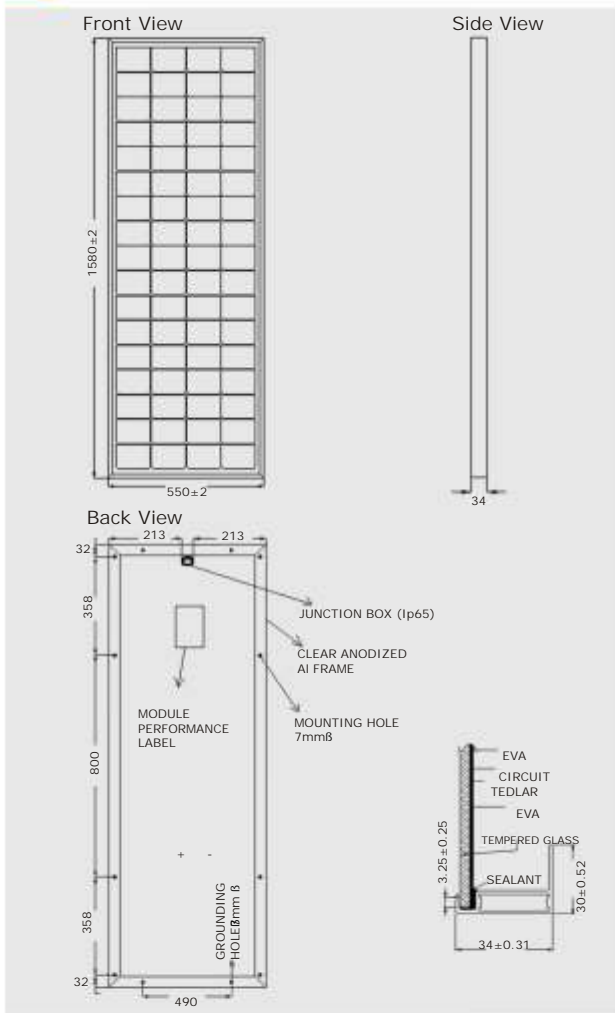
## W120 Series

### Electrical Specification (Standard Test Conditions: 1000 W/m<sup>2</sup>, 25°C, AM 1.5)

Maximum Power	Pmax (Wp)	115	120
Short Circuit Current	Isc(Amp)	7.45	7.5
Open Circuit Voltage	Voc(Volt)	21	21.25
Current at Maximum Power	I <sub>max</sub> (Amp)	6.85	7.06
Voltage at Maximum Power	V <sub>max</sub> (Volt)	16.8	17
Maximum System Voltage	600 Volt		
Tolerance**	+/-5%		

\*\*  $\pm 3\%$  tolerance on maximum power also available on request.

## Drawing (Dimensions in mm)



## Mechanical Specification

W120

Height x Width x Depth(H x W x D)	(1580 x 550 x 34)mm
Weight	10.25 Kg
Junction box	IP 65 rated Junction box with 2 bypass diode
Front glass	low iron content, toughened & tempered High transmission with 3mm thickness
Solar cells	(125mm x 88mm), cut 68 cells connected in series
Cell encapsulation	EVA (ethylene vinyl acetate)
Back side	Tedlar Composite film(TPT) ,white colour
Frame	Anodized aluminium frame with twin wall profile

## Temperature Coefficients

Coefficient of Current	$\alpha$	0.05% / $^{\circ}\text{C}$
Coefficient of Voltage	$\beta$	-0.34% / $^{\circ}\text{C}$
Coefficient of Power	$\gamma$	-0.45% / $^{\circ}\text{C}$

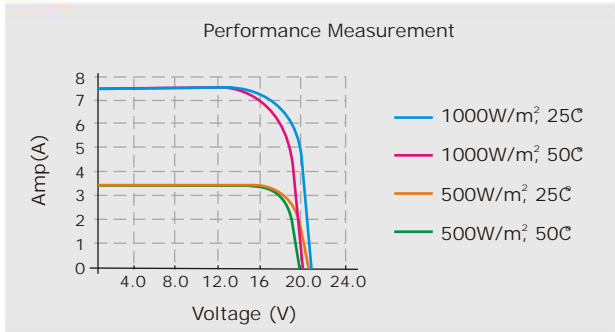
## Permissible Operating Conditions

Temperature Range	(-40 $^{\circ}\text{C}$ To + 85 $^{\circ}\text{C}$ )
Maximum System Voltage	600V
Maximum surface load capacity	Tested upto 2400Pa according to IEC 61215
Resistance against hail	Maximum diameter of 25mm with impactspeed of 82.8 Km/h

## Guarantees

Product Warranty	2 years
*Performance Warranty	Guaranteed Output of 90% for 10 years and 80% for 15 years
Approvals & Certificates	CE, IEC61215, IEC61730

## IV - Curve



## Certifications



## WEBEL WEBSOL ENERGY SYSTEMS LIMITED



Corporate Office and Plant :  
Sector -II, SEZ Falta, 24 Parganas (South), West Bengal Pin- 743504,  
Phone: +91 3174 222932, Fax: +91 3174 222933, E mail: websol@webelsolar.com  
Website: www.webelsolar.com

Registered Office :  
5th Floor, Ideal Centre, 9 A.J.C. Bose Road, Kolkata - 700017  
Phone: +91 33 4023 9031, Fax: +91 33 4023 9011, E mail: websol@webelsolar.com