



# Webel SOLAR



- > Ideal module design 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
- > ±5% output tolerance\*\*

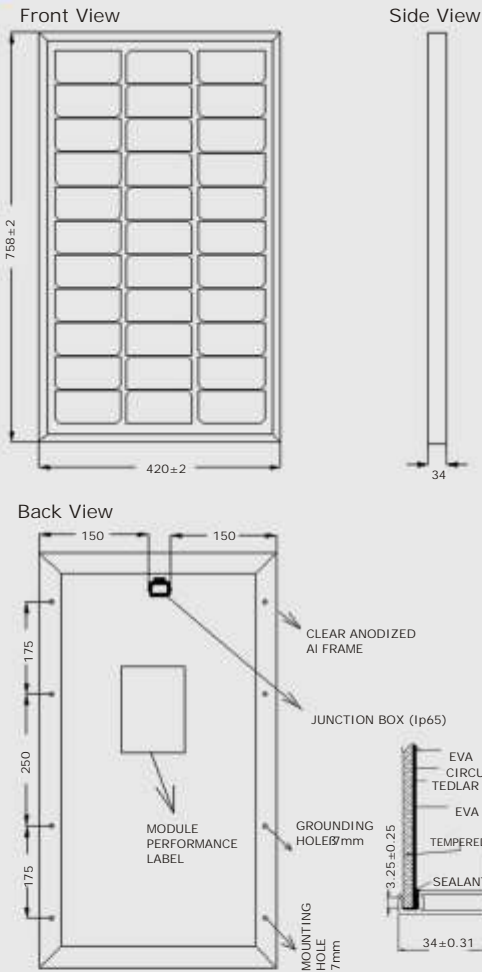
## W40 Series

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

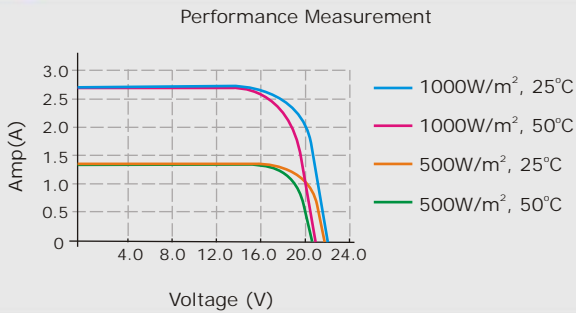
Maximum Power	Pmax (Wp)	40	37
Short Circuit Current	Isc(Amp)	2.68	2.50
Open Circuit Voltage	Voc(Volt)	20.2	20
Current at Maximum Power	I <sub>max</sub> (Amp)	2.45	2.25
Voltage at Maximum Power	V <sub>max</sub> (Volt)	16.6	16.5
Maximum System Voltage		600 Volt	
Tolerance**		+/-5%	

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

## Drawing (Dimensions in mm)



## IV - Curve



## Mechanical Specification

W40

Height x Width x Depth(H x W x D)	(758 x 420 x 34)mm
Weight	4.5 Kg
Junction box	IP 65 rated 2 terminal Junction box with 2 bypass diodes
Front glass	Low iron content, toughened & tempered High transmission with 3mm thickness
Solar cells	(125 x 125) <sup>1/2</sup> , cut 33 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% / °C
Coefficient of Voltage	$\beta$	-0.34% / °C
Coefficient of Power	$\gamma$	-0.45% / °C

## Permissible Operating Conditions

Temperature Range	(-40 °C To + 85 °C)
Maximum System Voltage	600V

## Guarantees

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

## Certifications



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