



Solar Photovoltaic Module 215 Watts to 230 Watts- MONO

- ★ Microsol Modules are manufactured , under an OEM arrangement.
- ★ Microsol Modules are manufactured with high efficiency crystalline solar cells processed at Microsol solar cell line.
- ★ Very good low light performance.
- ★ Tempered & textured clear glass with low iron content results in efficient sunlight absorption.
- ★ EVA potant with back sheet to provide maximum protection from the severest environmental conditions.
- ★ High torsion and corrosion resistant anodized aluminum frame provides structural strength and ease of installation.
- ★ Made with 3.2 mm thick glass.
- ★ Supplied with individual test data.
- ★ Manufactured at facility, that produces modules which are approved as per the IEC 61215 on performance and IEC 61730 on safety standards.
- ★ 5 year limited warranty on workmanship.
- ★ 25 year limited warranty on Power output,
- ★ Module output will be 90%, of the rated module performance less the negative tolerance in first 10 years from the date of purchase.
- ★ Module output will be 80%, of the rated module performance less the negative tolerance from 10 years up to 25 years.

Characteristics

Front Glass	Toughened Clear Glass
Glass thickness	3.2 mm
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)
Frame	Anodized, Extruded Aluminum frame
Junction Box	Tyco make or A TÜV certified
Certifications	IEC/EN 61215, IEC/EN 61730 and SAFETY class II

Microsol International LL FZE

P.O.Box No 4940 | Fujairah Free Zone | Phase-II | Fujairah | United Arab Emirates.

Tel: +9719 2282085 | Fax: +9719 2281758

www.microsolinternational.com | marketing@microsolinternational.com

Electrical Specifications -Tested at Standard Test Conditions*

MODEL	Unit	MM0215	MM0220	MM0225	MM0230
Rated POWER Pmax	[W]	215	220	225	230
Rated Voltage Vmax	[V]	28.3	28.8	29.3	29.8
Rated Current Imax	[A]	7.59	7.63	7.68	7.73
Open Circuit Voltage Voc	[V]	36.3	36.4	36.6	36.7
Short Circuit Current Isc	[A]	8.40	8.41	8.43	8.44
Tolerance on Power		±2.5 W			

Mechanical Specifications

Length [mm]	1660 ± 2
Width [mm]	990 ± 2
Thickness [mm]	50 ± 2
Weight [Kgs]	21
No. of Solar cells	60 Mono crystalline solar cells of size 156×156 mm

Temperature Coefficients

Voltage	Voc	-0.34%/K
Current	Isc :	+0.03%/K
Power	Pmax: -	-0.48%/K

The product is designed to withstand 1000V DC.

*All electrical data is measured at Standard Test Conditions, 1000 W/m², 25°C, A.M 1.5.

Variation of ±10%, in all other electrical parameters is possible except Power.

Reduction in module efficiency from 1000 W/m² to 200 W/m²: < 6%.

Due to continuous product improvement activities, the specification sheet are subjected to revision, without notice. Please contact us for updated/latest product specifications.

Microsol International LL FZE

P.O.Box No 4940 | Fujairah Free Zone | Phase-II | Fujairah | United Arab Emirates.

Tel: +9719 2282085 | Fax: +9719 2281758

www.microsolinternational.com | marketing@microsolinternational.com

