For a Free Quote:

Web: EnergyPal.com/solar

Call: 1-800-990-3725

Email: contact@energypal.com



Solar Panel Guide Specification Data Sheet

Mehar Solar Technology Pvt Ltd 60 Cell Series MS-250/24

60 CELLS SERIES



MS - 220 | 230 | 240 | 250 | 260



FEATURES



4 BB - Higher Output Per Cell & Lower Residual Stress



Positive Power Tolerance 0 / + 5W



Designed For Very High Area Efficiency Ideally Suited For Roof-top And Ground-mounted Applications



Extremely narrow Power Binning Tolerance To Reduce Current Mismatch Loss In Single String



Engineered To Provide excellent Low Light Response



IP 67 rated MC4 compatible connectors



PID Resistant with 100% EL Testing for long term reliability

MORE THAN 20 IN HOUSE TESTS



- HV Testing
- Peel & Gel Content Testing
- Hi Pot Testing

- Wet Leakage Testing
- Hot Spot Testing
- IV Testing



100% EL Testing

INTERNATIONAL & NATIONAL CERTIFICATE













IEC 61215



ELECTRICAL DATA

	MS-250/24	MS-260/24	
Peak Power (Pmax)	250	260	
Voltage at Maximum Power Point (Vmp)	30.30	30.35	
Current at Maximum Power Point (Imp)	8.30	8.59	
Open Circuit Voltage (Voc)	37.40	37.40	
Short Circuit Current (Isc)	8.75	8.78	
Model Ef iency (%)	15.43	16.04	
Maximum Series Fuse Rating (A)	20	20	
Limiting Reverse Current (A)	20	20	
Electrical Pmax. Tolerance %	Positive Tolerence	Positive Tolerence of 0/2.3%	

MECHANICAL PARAMETERS

Module Dimension (mm)	1645*985*35
Mounting Hole centre to center Pitch (Yaxises)	820
Mounting Hole center to center Pitch (X aises)	945 ± 1 mm
Module Weight kgs (APPROX)	17.3
Module Matrix	60 / 10 x 6
Front Cover	High Transmitance Tempered & Low Iron Glass with 3.2mm thickness
Backsheet	KPE Backsheet / Tedlar Backsheet
Encapsulate	Sunny Side UVT & Backside PID Free (Ethylene Acetate)
Frame Material	15-18 Microns Anodised Aluminium
Junction Box (Protection Rating / Material)	IP67 RATED
Junction Box Connector	Weather proof PPO material - IP 67 MC4
Junction Box Cable	4 Sq. mm cross section, 1000mm long.

TEMPERATURE COEFFICIENTS (TC)

Tc of Open Circuit Voltage (Voc), ß (%/°C)	- 0.2941
Tc of Open Circuit Current (Isc), a (%/°C)	0.0681
Tc of Power (Pmax.) Y ((%/°C))	-0.3845
Maimum System Voltage (V)	1000
NOCT	45°C±2°C
Operating Temperature Range	40°C to 85°C

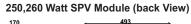
PACKAGING INFORMATION

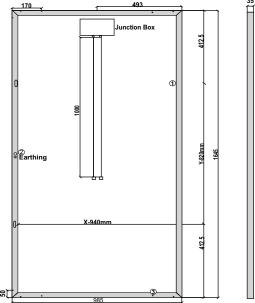
Container		20'GP	40'GP	40'HC
Pallets/Containe	er	10	24	24
Pieces/Containe	er	312	670	742

WARRANTY AND CERTIFICATIONS

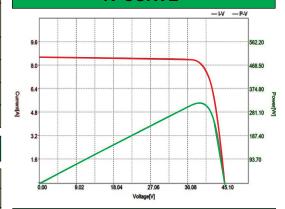
Product Warranty**	10 years
Performance Warranty**	Linear power warranty for 25 years with 2.5% for 1st year degradation and 0.67% from year 2 to year 25
Approvals and Certificates	IEC - 61215 IEC - 617301, IEC -617302, MNRE

DIAGRAM





IV CURVE



PERFORMANCE WARRANTY

