

**MODULE
DATASHEET
3W - 75W**

**25 YEARS
PERFORMANCE
WARRANTY**









**10 YEARS
PRODUCT
WARRANTY**

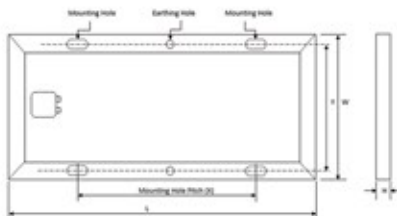


Micromax Energy Ltd. is a part of 15 year old Micromax Group with a focus on developing Solar as sustainable energy in India and become a leader in this segment by providing products in Solar PV segment.

Microlyte produces world-class, advanced silicon photovoltaic (PV) modules to meet the exacting demands of commercial and industrial establishments around the world. Our solar modules are sealed, weatherproof and able to withstand high levels of ultraviolet radiation & moisture and are sold under the brand name of Microlyte.

KEY FEATURES

-  Certified for ammonia resistance
-  Certified for salt mist corrosion resistance severity -VI
-  Certified for PID resistance
-  100% EI inspection insuring defects free modules
-  Positive tolerance at up to 5 W delivers higher output reliability
-  IP 67 junction Box for long-term weather endurance
-  Outstanding Low irradiance performance 96.0%
-  Module certified to withstand extreme wind(2400 Pascal) and snow loads (5400 Pascal)



**Underwriters
Laboratories**



Electrical Performance

Model No.	MEP-3W	MEP-5W	MEP-10W	MEP-20W	MEP-30W	MEP-40W	MEP-50W	MEP-60W	MEP-75W
Power (Pm) in Watts (nominal)	3	5	10	20	37	40	50	60	75
Panel Voltage	6	6	12	12	12	12	12	12	12
Matrix size	6*3	6*3	6*6	9*4	9*4	9*4	9*4	9*4	9*4
No. of cell	18	18	36	36	36	36	36	36	36
Length of Cell (mm)	20	34	34	24	27	33	44	68	85
Width of Cell (mm)	52	52	52	156	156	156	156	156	156
Open Circuit Voltage (Voc) in Volts	10.95	11.02	22.03	22.03	22.03	21.90	21.90	21.90	21.90
Short Circuit Current (Isc) in Amps	0.37	0.60	0.60	1.21	2.17	2.45	3.06	3.67	4.59
Voltage at Maximum Power (Vmp) in Volts	8.98	9.11	18.22	18.22	18.22	17.96	17.96	17.96	17.96
Current at maximum Power (Imp) in Amps	0.33	0.55	0.55	1.10	2.03	2.23	2.78	3.34	4.18
Maximum system Voltage (VDC)	600	600	600	600	600	600	600	600	1000
Module Size (L x W X H) in mm	185*185*22	270*185*22	270*355*22	520*355*22	370*660*22	470*665*35	560*665*35	685*665*35	840*665*35
Mounting Hole Pitch (X)	100	100	100	200	400	200	200	400	400
Mounting Hole Pitch (Y)	168	168	338	338	353	649.8	649.8	649.8	649.8

Temperature Coefficients

Temperature coefficients Voltage	-0.123 V/K
Temperature coefficients Current	+4.4 mA/K
Temperature coefficients Power	-0.47%/K
Nominal operating cell temperature (NOCT)	46±2 C

Mechanical Characteristics

Cell Type	Multi Crystalline Silicon
Front Face	Tempered Glass (Low Iron), 3.2 mm
Encapsulate	Ethylene Vinyl Acetate
Frame	Anodized Aluminium, Corner Key Type
Junction Box	IP65, Weather Proof Nylon, 2/3/4 Rails

Industry-leading Warranty

10 Year Product Warranty

25 Year Linear Performance Warranty

97.5 % in the first year, thereafter, for years two through twenty five

0.7% maximum decrease from module's nominal power output per year

Ending with 80.7 % in the 25th years after the defined WARRANTY STARTING DATE**

**Please refer to Microlite product warranty for detail

Electrical Characteristics

