



# MAHARISHI SOLAR

An ISO 9001-2008 accredited company



घर-घर में प्रकाश

Switch to Maharishi Solar

# MAHARISHI SOLAR.....“IMPROVING THE QUALITY OF LIFE”



## Introduction

*The inception of Maharishi Solar Technology Pvt. Limited in 1999 was the birth of - a mission to harness solar energy for the benefit of one and all.*

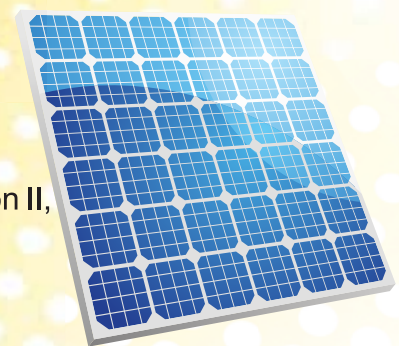
*We have setup state-of-the-art, vertically integrated manufacturing facility for producing Multi-crystalline Silicon ingots, wafers, Mono / Multi Crystalline Silicon PV cells, SPV Modules and SPV products. We are an ISO 1901:2008, certified company.*

*We also manufacture Single/Double Glazed Flat Plate Collectors, Solar Water Heating System and Solar Steam generating system through Parabola Trough Technology.*

*We believe in strong R&D and innovation. Our company follows the theme and principles of Make in India & Skill in India.*



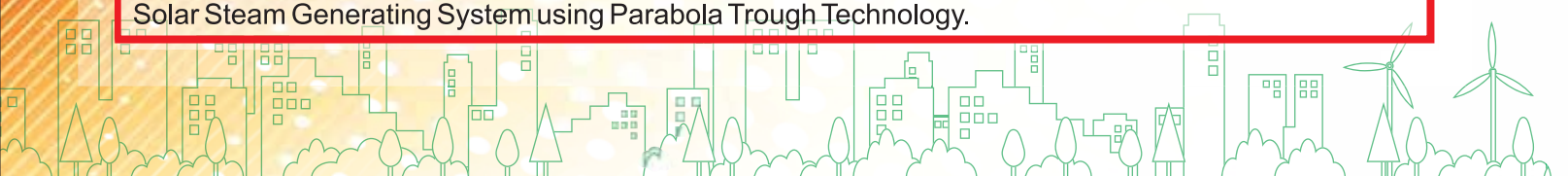
- ✓ 5 - 300 Wp Solar PV modules available.
- ✓ We also cater to the need of customized modules.
- ✓ All Solar PV modules are approved per norms of IEC 61215 edition II, IEC - 61730 Part I & Part II.



## Our Product Range

**Solar PV Division:** Multi Crystalline Wafers, Mono/ Multi Crystalline Solar Cells, Mono/ Multi Crystalline SPV Modules, Solar Lanterns / Prakash Deep, Solar Home Lighting - Grahprakash, LED Based Solar Home / Street Lighting System, Solar Garden Lighting Systems, Solar Fountains, Solar Mobile Chargers, Solar Fans, Solar Water Pumping Systems, Solar Power Plant Grid Tied & Stand Alone, Solar Lighting Systems as per MNRE, RDSO, DGS&D and NABARD specifications.

**Solar Thermal Division:** BIS Certified Single Glazed Type A & B Flat Plate Collectors, Double Glazed Flat Plate Collectors, Solar Water Heating System for Residential, Commercial & Industrial applications, Solar Steam Generating System using Parabola Trough Technology.

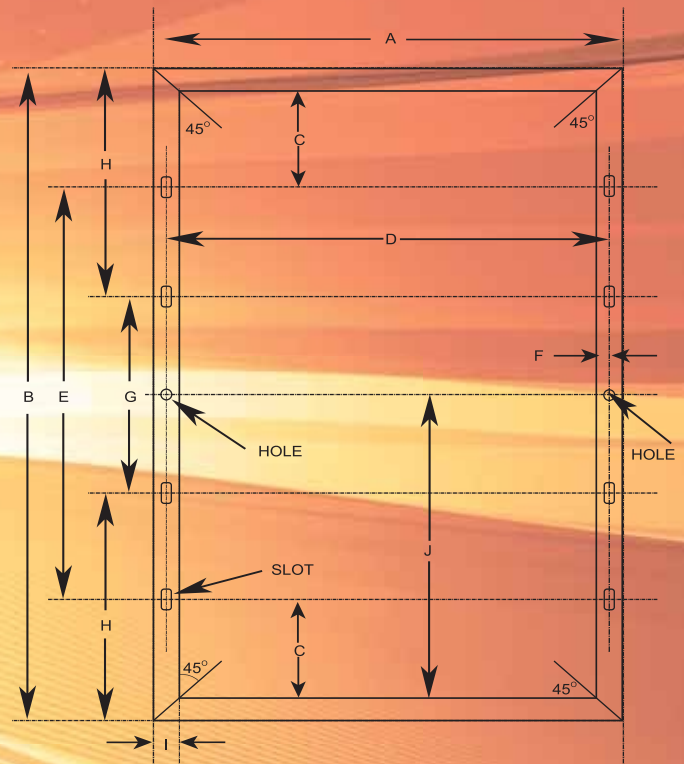


## SOLAR PHOTOVOLTAIC MODULES

Maharishi Solar Photovoltaic Modules are aesthetically designed for long life and continuous performance under extreme conditions, for numerous applications.

### ELECTRICAL & MECHANICAL FEATURES :

Electrical output of Maharishi Solar modules is classified on the basis of the electrical output produced by the solar modules under light intensity conditions of  $1000\text{W}/\text{M}^2$ , AM1.5 spectral irradiance, at STC  $25^\circ\text{C}$ . The electrical characteristics are typical and subject to production variance. However, peak power is the minimum value.



Design and sizes are subject to change without any notice. Drawing not to Scale.

SOLAR MODULES - DIMENSIONS & MOUNTING HOLE DETAILS																	
SL No.	RATING		MODEL	WEIGHT (KG)	DIMENSIONS - MM											THICKNESS (T)	OVERALL DIMENSIONS
	Wp	V			A	B	C	D	E	F	G	H	I	J	SLOT		
1.	5	6	MS D06	0.60	190.00	275.00	77.50	174.00	120.00	6.00	-	-	14.00	-	5 X 8	24.00	190 X 275 X 24
2.	5	12	MS D12	0.60	190.00	275.00	77.50	174.00	120.00	6.00	-	-	14.00	-	5 X 8	24.00	190 X 275 X 24
3.	8	12	MS F12	1.00	245.00	310.00	65.00	229.00	180.00	6.00	-	-	14.00	-	5 X 8	24.00	245 X 310 X 24
4.	10	12	MS G12	1.10	245.00	370.00	95.00	229.00	180.00	6.00	-	-	14.00	-	5 X 8	24.00	245 X 370 X 24
5.	12	12	MS H12	1.30	345.00	310.00	65.00	329.00	180.00	6.00	-	-	14.00	-	5 X 8	24.00	345 X 315 X 24
6.	18	12	MS 6J12	2.20	345.00	425.00	92.50	329.00	240.00	6.00	-	-	14.00	-	5 X 8	24.00	345 X 425 X 24
7.	20	12	MS 6K12	2.35	345.00	465.00	112.50	329.00	240.00	6.00	-	-	14.00	-	5 X 8	24.00	345 X 465 X 24
8.	24	12	MS 6L12	2.50	345.00	545.00	115.00	329.00	315.00	6.00	-	-	14.00	-	5 X 8	24.00	345 X 545 X 24
9.	30	12	MS 6M12	2.80	505.00	455.00	70.00	489.00	315.00	6.00	-	-	14.00	-	5 X 8	24.00	505 X 455 X 24
10.	37	12	MS 6O12	3.80	505.00	555.00	120.00	474.50	315.00	6.75	-	-	22.00	-	6.5 X 13	35.50	505 X 555 X 35.50
11.	40	12	MS 6P12	4.10	505.00	605.00	145.00	474.50	315.00	6.75	-	-	22.00	-	6.5 X 13	35.50	505 X 605 X 35.50
12.	50	12	MS 6R12	4.50	505.00	705.00	137.50	474.50	430.00	6.75	-	-	22.00	-	6.5 X 13	35.50	505 X 705 X 35.50
13.	60	12	MS 6T12	4.90	505.00	840.00	205.00	474.50	430.00	6.75	275.00	282.50	22.00	420.00	6.5 X 13	35.50	505 X 840 X 35.50
14.	70	12	MS 6V12	5.30	505.00	965.00	207.50	474.50	550.00	6.75	275.00	345.00	22.00	482.50	6.5 X 13	35.50	505 X 965 X 35.50
15.	74	12	MS 6W12L	5.75	505.00	1065.00	217.50	474.50	630.00	6.75	275.00	395.00	22.00	532.50	6.5 X 13	35.50	505 X 1,065 X 35.50
16.	74	12	MS 6W12S	5.85	505.00	1,025.00	197.50	474.50	630.00	6.75	275.00	375.00	22.00	512.50	6.5 X 13	35.50	505 X 1,025 X 35.50
17.	80	12	MS 6X12	5.75	665.00	840.00	205.00	634.50	430.00	6.75	275.00	282.50	22.00	420.00	6.5 X 13	35.50	665 X 840 X 35.50
18.	100	12	MS 6Z12	7.50	665.00	1,025.00	197.50	634.50	630.00	6.75	275.00	375.00	22.00	512.50	6.5 X 13	35.50	665 X 1,025 X 35.50
19.	100	24	MS 6Z24	7.50	665.00	1,025.00	197.50	634.50	630.00	6.75	275.00	375.00	22.00	512.50	6.5 X 13	35.50	665 X 1,025 X 35.50
20.	120	12	MS 120H12	9.00	665.00	1,230.00	300.00	634.50	630.00	6.75	275.00	477.50	22.00	615.00	6.5 X 13	35.50	665 X 1,230 X 35.50
21.	120	24	MS 120H24	9.00	665.00	1,230.00	300.00	634.50	630.00	6.75	275.00	477.50	22.00	615.00	6.5 X 13	35.50	665 X 1,230 X 35.50
22.	150	12	MS 150H12	11.50	665.00	1,485.00	302.50	634.50	880.00	6.75	275.00	605.00	22.00	742.50	6.5 X 13	35.50	665 X 1,485 X 35.50
23.	150	24	MS 150H24	12.00	985.00	1,025.00	197.50	954.50	630.00	6.75	275.00	375.00	22.00	512.50	6.5 X 13	35.50	985 X 1,025 X 35.50
24.	180	24	MS 180H24	14.00	985.00	1,205.00	287.50	954.50	630.00	6.75	275.00	465.00	22.00	602.50	6.5 X 13	35.50	985 X 1,205 X 35.50
25.	200	24	MS 200H24	15.50	985.00	1,335.00	227.50	954.50	880.00	6.75	275.00	530.00	22.00	667.50	6.5 X 13	35.50	985 X 1,335 X 35.50
26.	250	20	MS 250H60	19.75	985.00	1,645.00	382.50	954.50	880.00	6.75	275.00	685.00	22.00	822.50	6.5 X 13	35.50	985 X 1,645 X 35.50
27.	250	24	MS 250H24	19.75	985.00	1,645.00	382.50	954.50	880.00	6.75	275.00	685.00	22.00	822.50	6.5 X 13	35.50	985 X 1,645 X 35.50
28.	300	24	MS 300H24	23.00	985.00	1,965.00	542.50	954.50	880.00	6.75	275.00	845.00	22.00	982.50	6.5 X 13	35.50	985 X 1,965 X 35.50

NOTES: 1. GENERAL DIMENSIONAL TOLERANCE = +/- 1 MM 2. SECTION DESIGN, MODULE DIMENSIONS, SIZES MAY VARY DUE TO TECHNICAL REASONS



SOLAR MODULES - MODELS, SPECIFICATIONS										
SL No.	MODEL NO	RATED POWER (Wp) @ Vmp	NOMINAL VOLTAGE (V)	Voc V (@0.631/ CELL)	Isc A	Vmp V (@.529/ CELL)	Imp I (approx)	FF (min)	NO. OF CELLS	MODULE EFFICIENCY % (min)
1.	MS D06	5	6	11.36	0.575	9.09	0.55	0.77	18	10.00
2.	MS D12	5	12	22.72	0.288	18.18	0.28	0.77	36	10.00
3.	MS F12	8	12	22.72	0.460	18.18	0.44	0.77	36	10.00
4.	MS G12	10	12	22.72	0.575	18.18	0.55	0.77	36	10.00
5.	MS H12	12	12	22.72	0.690	18.18	0.66	0.77	36	10.00
6.	MS 6J12	18	12	22.72	1.036	18.18	0.99	0.77	36	12.00
7.	MS 6K12	20	12	22.72	1.151	18.18	1.10	0.77	36	12.00
8.	MS 6L12	24	12	22.72	1.381	18.18	1.32	0.77	36	12.00
9.	MS 6M12	30	12	22.72	1.726	18.18	1.65	0.77	36	12.00
10.	MS 6O12	37	12	22.72	2.129	18.18	2.04	0.77	36	14.00
11.	MS 6P12	40	12	22.72	2.301	18.18	2.20	0.77	36	14.00
12.	MS 6R12	50	12	22.72	2.877	18.18	2.75	0.77	36	14.00
13.	MS 6T12	60	12	22.72	3.452	18.18	3.30	0.77	36	14.00
14.	MS 6V12	70	12	22.72	4.027	18.18	3.85	0.77	36	14.00
15.	MS 6W12L	74	12	22.72	4.257	18.18	4.07	0.77	36	14.00
16.	MS 6W12L	74	12	22.72	4.257	18.18	4.07	0.77	36	14.00
17.	MS 6X12	80	12	22.72	4.603	18.18	4.40	0.77	36	14.00
18.	MS 6Z12	100	12	22.72	5.753	18.18	5.50	0.77	36	15.00
19.	MS6Z24	100	24	45.43	2.877	36.36	2.75	0.77	72	15.00
20.	MS 120H12	120	12	22.72	6.904	18.18	6.60	0.77	36	15.00
21.	MS 120H24	120	24	45.43	3.452	36.36	3.30	0.77	72	15.00
22.	MS 150H12	150	12	22.72	8.630	18.18	8.25	0.77	36	15.00
23.	MS 150H24	150	24	45.43	4.315	36.36	4.13	0.77	72	15.00
24.	MS 180H24	180	24	45.43	5.178	36.36	4.95	0.77	72	15.00
25.	MS 200H24	200	24	45.43	5.753	36.36	5.50	0.77	72	15.00
26.	MS 250H60	250	20	37.86	8.630	30.30	8.25	0.77	60	16.00
27.	MS 250H24	250	24	45.43	7.192	36.36	6.88	0.77	72	16.00
28.	MS 300H72	300	24	45.43	8.630	36.36	8.25	0.77	72	16.00



#### Additional Points:

- Temperature coefficient of Power-0.5% per degree Celsius.
- All Maharishi Solar Modules can also be supplied as laminates.
- Specific junction boxes and cables for attachment can be supplied on demand.

## Product Warranty

Our SPV modules have warranty as per MNRE norms

### Performance warranty :

- 90% of rated power for 10 years.
- 80 % of rated power for 25 years.

The purpose of business should be fulfilling, it should be capable of delivering the greatest good to the greatest number of people

- Maharishi Ji



## MAHARISHI SOLAR TECHNOLOGY (P) LTD.

**Factory & Sales Office:** C-147, Hosiery Complex, Phase - II, Noida, Distt. Gautam Budha Nagar (U. P.)

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**Reg. Office:** 121, First Floor, DLF Galleria Mal, Mayur Vihar, Phase - I, New Delhi - 92

**Mfg. facility:** Mruthyunjayapuram Village, B. N. Kandriga Mandal, (Near Srikalahasti), Dist. Chittoor, Andhra Pradesh, (India)