

Prefer Green Energy, reduce carbon emissions



- Made In India
- 1000 V Vdc
- Positive power Tolerance
- PID resistant
- High reliable Anti - reflective coated glass
- Windspeed - 2400 Pa
- Snowload - 5400 P
- High operating currents and voltages
- RFID

Green Solar
energy of the future

SOLAR PV MODULES | SOLAR ON GRID & OFF GRID SOLUTIONS | SOLAR SUBMERSIBLE | SOLAR STREET LIGHT



TECHNICAL SPECIFICATION

Sl NO.	MODEL	GS 40/12	GS 50/12	GS 60/12	GS 75/12	GS 100/12	GS 125/12	GS 160/12	GS 200/12
1	Maximum Power (Pmax) Wp	40W	50W	60W	75W	100W	125W	160W	200W
2	Maximum Power Voltage (Vmp) V	22.00	22.00	22.00	22.00	22.00	22.00	22.50	22.00
3	Maximum Power Current (Imp) A	2.45	3.10	3.65	4.50	6.00	7.30	9.10	11.60
4	Open Circuit Voltage (Voc) V	18.00	18.00	18.00	18.00	18.00	18.00	18.50	18.00
5	Short Circuit Current (Isc) A	2.22	2.78	3.33	4.18	5.56	6.95	8.64	11.11
6	Maximum System Voltage	1000V	1000V	1000V	1000V	1000V	1000V	1000V	1000V
7	Solar Cell	36	36	36	36	36	36	36	72
8	Length (MM)	485	555.00	605.00	780.00	1015.00	1250.00	1485.00	1335.00
9	Width (MM)	665	665.00	665.00	665.00	665.00	665.00	665.00	985.00
10	Thickness (MM)	35	35.00	35.00	35.00	35.00	35.00	35.00	35.00
11	Weight (MM)	4 Kg	4.50	4.80	6.20	7.80	9.04	11.40	15.00
12	Area (Sq.M.)	0.32	0.37	0.44	0.52	0.73	0.83	0.99	1.31
13	Junction Box (Terminals)	2T/ 6A Single		3T/6A Double Diode		3T/2D with 12A/ 15A 1D Double Diode			
14	Mounting Holes Pitch (Y) (MM)	240.00	270.00	320.00	390.00	510.00	625.00	740.00	680.00
15	Mounting Holes Pitch (X) (MM)	633.00	633.00	633.00	633.00	633.00	633.00	633.00	951.00

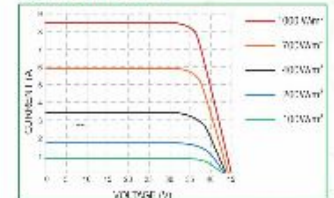
- * All electrical parameters specified at STC 25C cell temperature: 1000W/M² Irradiance; AM 1.5
- * Due to constant product modifications, serves the right to amend the above specifications without prior notice
- * Cell type 5BB Poly-crystalline

TEMPERATURE RATINGS

Nominal Module Operating Temperature	46 °C (± 2 °C)
Temperature Coefficient of PMPP	- 0.40 % / °C
Temperature Coefficient of VOC	-0.27% / °C
Temperature Coefficient of ISC	0.024% / °C
*THE TEMPERATURE COEFFICIENT STATED ARE LINEAR VALUES	

PRODUCT WARRANTY: • 10 year warranty on material and workmanship
• 10 years at 90% power output, 25 years at 80% power output

Typical I-V Curves



Conformity to Standards : ISO 9001 : 2015 | IS 14286 : 2010 | IS 61730 : (Part 1 & 2) | PID Free



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Matri Shree Techno Industries

Premium PV Module Manufacturer

A group company of

Matri Shree Powertronics Pvt. Ltd.

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* Module image for representation purpose only. Due to continuous product updation, specification may change without prior notice.

