



# PRODUCT BROCHUR



**OGS6-150/36**

Photovoltaic  
Polycrystalline  
Panel 150 Watt



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India 382028



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# ABOUT US

Oath Green Solar Pvt. Ltd. is one of India's leading Renewable Energy developers and operators. It is 100 % swadeshi owned, managed, and operated. Oath Green Solar Pvt. Ltd. an exploration and production company focused on acquiring and developing Renewable energy assets for the benefit of our nation and upcoming generation.

Oath Green Solar Pvt. Ltd. offers products along with services across the spectrum of photovoltaics Panel manufacturing. Oath green Solar is located in Gandhinagar, Gujarat, India with a space of 2000 square meters. We have a fully automatic manufacturing plant with advanced technology and a highly qualified engineer who is working on the foremost efficient solar PV Panel. The state-of-the-art technology, with machines and equipment sourced from the best-in-class suppliers, aims to help in cost leadership, the scale of operations, and reliability standards as per global benchmarks.

**Our Solar Panel Product come's with 12 Years Product Warranty\* | 30 Years Performance Warranty\***

## Product Key Features



OGS Brand Manufactured in accordance with OGS's high standards of design and Quality Control



Excellent module efficiency Solar cell efficiency up to 21.2% Module efficiency up to 18%



Positive tolerance Positive tolerance of up to 4% delivers higher output reliability for our all modules



High performance Higher PV Energy yield even under low light and cloudy conditions



High Model Output Highest conversion efficiency



Reliability Premium quality raw material and advanced manufacturing processes guarantees the reliability of our modules



EL Tested (ELECTRO LUMINESCENCE) 100% EL double inspection



PID resistant and free of snail trails Increased module robustness to minimize micro-cracks



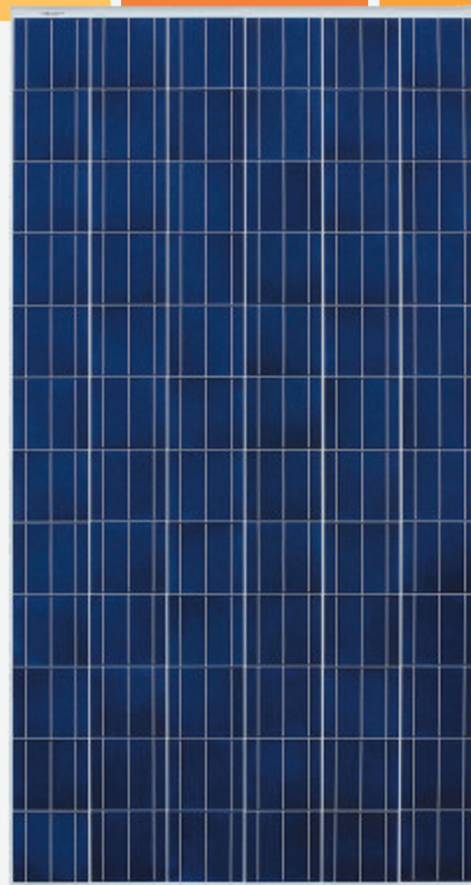
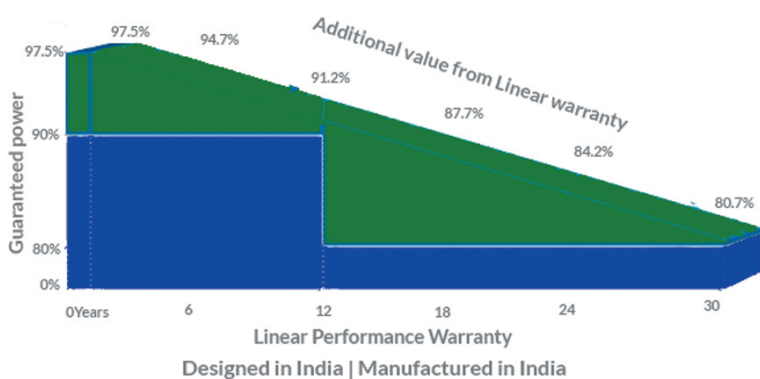
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ISO 9001 : Quality  
Management System 01

CHUBB Insurance 02

PID Free 03

OGS6-100/36

90.4 Power Output Up To  
10 Years80.3 Power Output Up To  
25 Years

Product Certificates\*:- IS 14286 | IEC 61215 | IEC 61730 | IEC 61701 | IEC 62804 | ISO 9001:2015 | ISO 14001:2015 | ISO 18001:2007 | Fire Rating

## ELECTRICAL TYPICAL VALUES

Model	OGS6-100/36	OGS6-120/36	OGS6-150/36
Maximum Power (Pmax)	100 W	120 W	150 W
Maximum Power Voltage (Vmp)	17.68 V	18.46 V	18.5 V
Maximum Power Current (Imp)	5.70 A	6.53 A	8.13 A
Open Circuit Voltage (Voc)	20.91 V	21.78 V	21.81 V
Short Circuit Current (Isc)	6.04 A	6.78 A	8.53 A
Tolerance	Positive only	Positive only	Positive only
Module Efficiency	13.03%	14.9%	15.12%

## MECHANICAL CHARACTERISTICS

Dimensions	1145 x 670 x 35 mm	1200 x 670 x 35 mm	1480 x 670 x 35 mm
Weight	10 kg	11 kg	13 kg

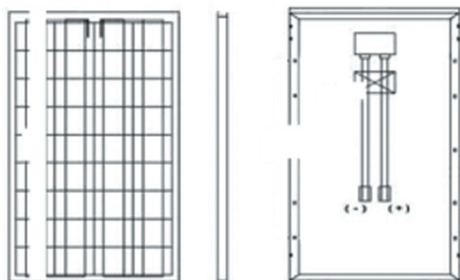
**NOTE : STC: Irradiance 1000W/m<sup>2</sup> Module Temperature 25°C AM =1.5**

Temperature Characteristics	
NOCT (Nominal Operation Temperature)	45 ± 2 °C
Temperature Coefficient of Voc (β)	-0.35 % °C
Temperature Coefficient of Isc (α)	+0.05 % °C
Temperature Coefficient of Pmax (γ)	-0.45 % °C

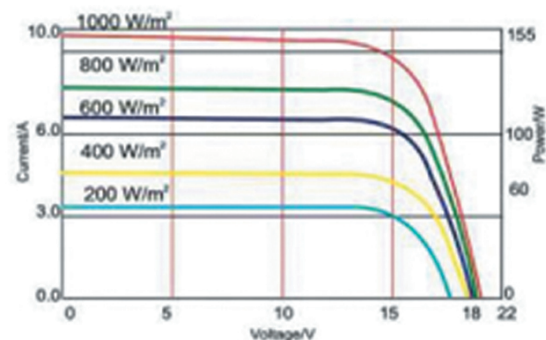
Absolute Maximum Rating	
Operating Temperature	From -40° to 85°
Maximum Series Fuse Rating	15 A
IEC Application Class	IEC 61215, IEC 61730, IEC 61701, IEC 62804
Maximum System Voltage	1000v DC (IEC 61215) 600v (UL 1703)

Module Characteristics	
Solar Cells	Poly
No. of Cells	36 Cells(4*9)
Glass	Low iron, tempered glass, 3.2mm
Frame	Anodized aluminum alloy
Junction Box	IP65/67 rated
Cable & Plug Connectors	1.1 x 4.0mm <sup>2</sup> Mc4 compatible / IP 67
Maximum Snow Load	2400 Pascal
Maximum Wind Load	5400 Pascal
Hailstone Impact Test	80 km/h for 25mm ice ball

## Module Dimension



## I-V Curve



### Note:

- The specifications in this datasheet are subject to change without any notice.
- The electrical data given here is for reference purpose only.
- Please contact our sales team for any customized solutions.
- Please read safety and installation instructions before using the product.
- Subject to Gandhinagar Jurisdiction.

### \*Warranty:

Please read OGS India warranty documents thoroughly