

# TATA SOLAR GOLD™

## World class solar photovoltaic modules for specialty applications



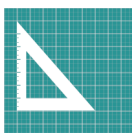
High quality modules manufactured by Tata in India for over 20 years



Rugged and durable design enabling easy installation and long life



Leading edge equipment plus world class processes from BP Solar



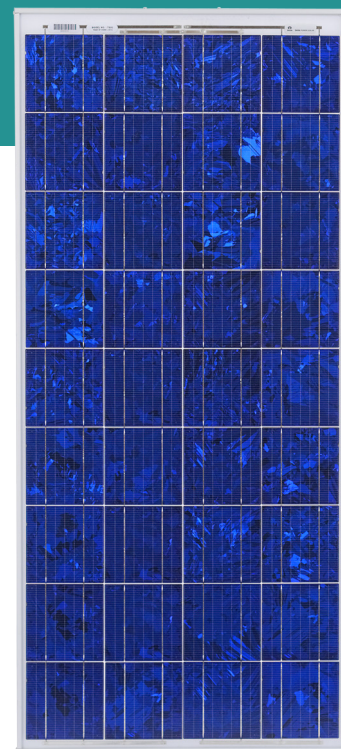
Customized models available to meet specific applications



Certified to highest standards worldwide (IEC – TUV Germany, MNRE – India)



Peace of mind guaranteed with Tata Power Solar 25 year module power warranty



### PRODUCT FEATURES

- High power output using high efficiency cells and ultra-clear solar glass
- UV resistant, weather-proof junction boxes with bypass diodes
- Torsion and corrosion resistance with anodized screw type aluminium frame
- Higher impact resistance using scratch resistant toughened solar glass

### APPLICATIONS

- Lighting: lanterns, indoor and street
- Telecommunication and radio relay stations
- Stand alone systems / telemetry systems
- Defence and offshore requirements
- Signage and outdoor media
- Mobile chargers / outdoor activities

### SPECIFICATIONS

- Multiple configurations (36, 48 and 72 cells)
- Multiple wattages (1 to 220Wp)
- Mono and multi-crystalline cells (125mm and 156mm)
- IV curve and specifications available for all products

### CERTIFICATIONS



Certified to IEC 61730, IEC 61215, IEC 61701 and UL 1703 standards

Warranties are subject to the Terms and Conditions as per the Tata Power Solar Standard Warranty Document.

Certifications may vary by module

**Modules in the Gold series**

	Gold				
	20	50	60	80	130

**Electrical parameters at standard test conditions (STC)\***

	20	50	60	80	130
Nominal power output (W)	20	50	60	80	130
Power tolerance (%)	-5 ~ +5	-5 ~ +5	-5 ~ +5	-5 ~ +5	-5 ~ +5
Voltage at P <sub>MAX</sub> V <sub>MPP</sub> (V)	18.0	18.0	18.0	18.2	18.0
Current at P <sub>MAX</sub> I <sub>MPP</sub> (A)	1.11	2.77	3.33	4.40	7.22
Open-circuit voltage V <sub>OC</sub> (V)	21.8	21.8	21.8	21.8	21.9
Short-circuit current I <sub>SC</sub> (A)	1.22	3.01	3.60	4.74	7.80

**Module general characteristics**

Number of cells	36	36	36	36	36
Length (mm)	457	835	1205	1205	1503
Width (mm)	538	538	538	538	661
Thickness (mm)	38.5	38.5	38.5	38.5	33.0
Weight (kg)	3.0	5.0	7.5	7.5	12.0
Frame material	Silver anodized aluminium				
Superstrate	3.2 mm glass				
Substrate	PET				
Encapsulant	EVA				

**Environment and operating conditions**

Operating temperature range (°C)	-40 and +85
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**Warranty**

Product warranty (years)	5
Power output warranty (years)	10 (90% of rated power output) 25 (80% of rated power output)

**Applications**



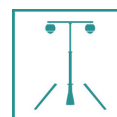
Stand alone systems for homes with no grid connectivity



Indoor and outdoor lighting



Power packs for remote telecom sites and telemetry stations



Street lighting and community lighting



Offshore installations and hazardous locations



Lighting billboards and outdoor media



Portable mobile phone chargers

**YOUR LOCAL DEALER**

Tata Power Solar is committed to enabling solar everywhere and bringing the power of the sun to people in the most efficient and cost effective way possible.



For sales, service and other enquiries, email us [modules@tatapowersolar.com](mailto:modules@tatapowersolar.com)

[www.tatapowersolar.com](http://www.tatapowersolar.com)

\* Irradiance of 1000W/m<sup>2</sup>, spectrum AM of 1.5 and cell temperature of 25°C  
Best in class AAA solar simulator (IEC 60904-9) used, power measurement tolerance ±3%

Listed specifications are subject to change without notice