



India's Leading and Most Preferred Solar Module OEM & ODM Company

A Premium Quality
Solar Module Manufacturer



Quality

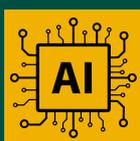
Damdar

Performance

Shaandar

3GW AI DRIVEN FULLY AUTOMATIC ROBOTIC MANUFACTURING PLANT

Cosmic PV Power Limited is one of India's fastest-growing PV module manufacturers, certified by BIS and enlisted under ALMM. Operating state-of-the-art, fully robotic, AI-powered TOPCon solar module manufacturing plants in Surat, Gujarat-INDIA, with an annual production capacity of **3GW**, we are redefining excellence in solar production. With advanced automatic robotic facilities, we produce high-efficiency Multi-BB PV modules ranging from 500Wp to 680Wp, offering both standard and customized solutions. As a trusted OEM partner for leading solar companies, Cosmic PV Power Limited is recognized as the most preferred solar OEM manufacturer, committed to driving India's renewable energy revolution.



Artificial
Intelligence



Annual Capacity
3GW



G12R/M10R
Multi Bus Bar
Higher Efficiency
Solar PV Modules



BIS Certified &
ALMM Enlisted

R- 72009539

CHOOSE QUALITY WITH COSMIC SOLAR

MULTI BB MODULES

- More power per surface area
- Reduction of BOS costs
- Maximum longevity
- No PID, NO LID
- Long warranties. high protection
- Withstands extreme environmental conditions

Global Standard Premium Quality Multi BB DCR/NDCR PV Modules

Module Type	COS-TWIN 535	COS-TWIN 540	COS-TWIN 545	COS-TWIN 550
Maximum Voltage V_{mpp} (V)	41.47	41.70	41.90	41.93
Maximum Current I_{mpp} (A)	12.92	12.95	13.01	13.14
Open Circuit Voltage V_{oc} (V)	49.35	49.50	49.65	49.80
Short Circuit Current I_{sc} (A)	13.78	13.85	13.92	13.98
Module Efficiency η (%)	20.7	20.9	21.1	21.3

*Measuring uncertainty + 3%



Glass with anti-reflective coating to maximize sunlight potential



Pre and Post EL Checking to ensure defect free modules



Positive Power tolerance up to 2% Extra.



Superior Module Efficiency



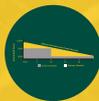
IP68 Junction Box for Long Term Weather Endurance



Ensure safety parameters through safety test



High Efficiency PV Modules



Linear Performance Warranty 30 years*



Best in-class Reliability & Durability

**COS-TWIN SERIES
HALF-CELL MODULES
500 Wp-550 Wp RANGE
MULTI BB MODULE
UP TO 21.3% EFFICIENCY**

Global Standard Premium Quality Bi-facial N-type TOPCon Modules

Module Type	COS-TOP 570	COS-TOP 575	COS-TOP 580	COS-TOP 585	COS-TOP 590	COS-TOP 595	COS-TOP 600
Maximum Voltage V_{mpp} (V)	43.05	43.25	43.45	43.65	43.85	44.05	44.21
Maximum Current I_{mpp} (A)	13.25	13.30	13.35	13.40	13.46	13.51	13.57
Open Circuit Voltage V_{OC} (V)	52.52	52.79	53.05	53.30	53.55	53.62	53.80
Short Circuit Current I_{SC} (A)	13.85	13.87	13.91	13.93	13.96	14.03	14.09
Module Efficiency η (%)	22.08	22.28	22.47	22.67	22.86	23.03	23.22

*Measuring uncertainty + 3%

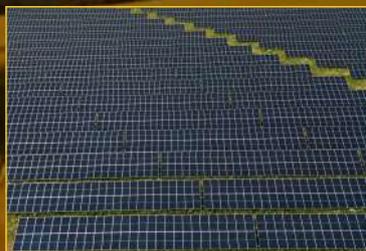
Global Standard Premium Quality Bi-facial N-type TOPCon G12R Modules

Module Type	COS-TOP 600	COS-TOP 610	COS-TOP 620	COS-TOP 630	COS-TOP 640	COS-TOP 645	COS-TOP 650
Maximum Voltage V_{mpp} (V)	40.25	40.65	41.05	41.43	41.73	41.88	41.99
Maximum Current I_{mpp} (A)	14.93	15.01	15.11	15.21	15.34	15.41	15.48
Open Circuit Voltage V_{OC} (V)	47.75	48.15	48.55	48.95	49.32	49.53	49.72
Short Circuit Current I_{SC} (A)	15.93	16.03	16.12	16.23	16.33	16.39	16.42
Module Efficiency η (%)	22.20	22.60	23.00	23.33	23.37	23.85	24.04

Cosmic PV Power Solutions



Residential Rooftop Solutions



Ground-Mounted Solutions



Commercial/Industrial Rooftop



Floating Solar Project Solutions



ALMM
ENLISTED



CareEdge



india.gov.in
national portal of india

Advantages



AI (Artificial Intelligence) driven fully robotic manufacturing plant



Reliable and expert technical laboratory committed to high-quality solar manufacturing standards



All components verified by strict tests and are Produced by international top brands



Experienced R&D team



Using advanced supply chain management model for on time delivery



Strict quality management system



500Wp to 680Wp



12 years Product & Workmanship Warranty



30 years Liner Performance Warranty



50+ City presence across india



**Refer to Cosmic PV Power Limited warranty document for terms and conditions. The specifications are for reference purpose only, due to constant product modifications. Cosmic PV Power Limited reserves the right to amend the above specifications without prior notice.

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Gujarat - 394170 (INDIA)

Factory Unit - 2
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Tadkeshwar, Taluka: Mandvi,
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