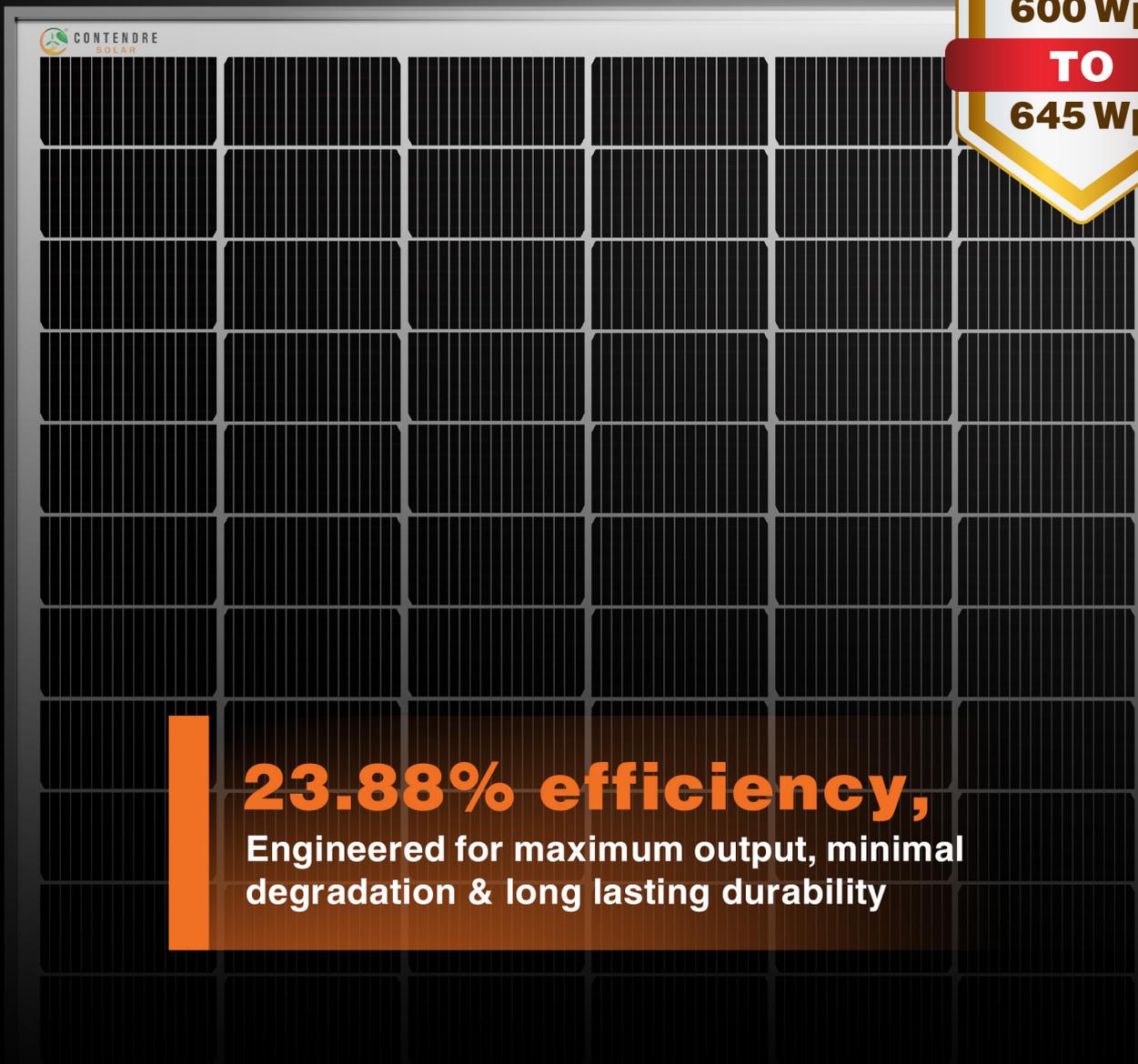




Solarizing Your World!

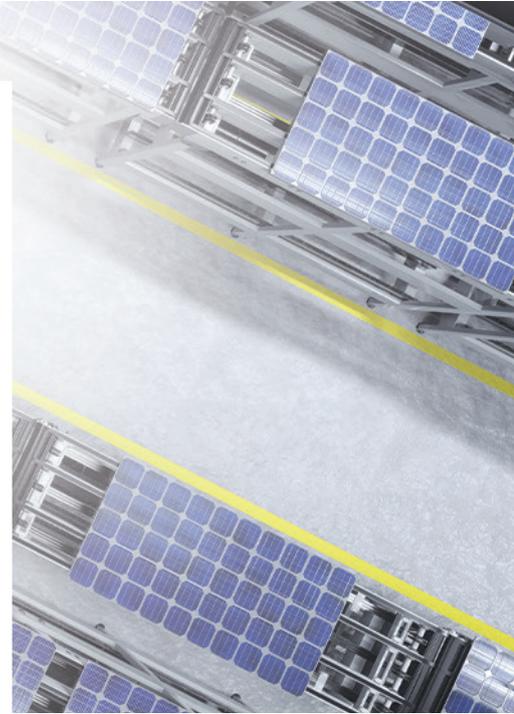
Smarter, Cleaner & More
Efficient Power with
Topcon Solar Module



23.88% efficiency,
Engineered for maximum output, minimal
degradation & long lasting durability

About Contendre Solar

Contendre Greenergy Ltd. is a leading renewable energy company specializing in the manufacturing of high-quality solar PV modules. With a strong focus on innovation, sustainability, and reliability, we deliver advanced solar solutions that power industries, businesses, and communities toward a greener future. Guided by ISO standards and lean manufacturing practices, our state-of-the-art facility ensures consistent quality and performance. At Contendre Greenergy, we are committed to accelerating India's clean energy transition by providing cost-effective, durable, and efficient solar products that empower customers while protecting the planet.



Manufacturing Excellence

At Contendre Solar, every module is built in our state-of-the-art facilities with precision, consistency, and quality assurance at the core.

Integrated Facility

100 MW Bhiwandi + 100 MW Gandhinagar, with a new **1 GW AI-enabled plant** in Maharashtra.

Advanced Automation

Fully automated production lines ensuring accuracy, repeatability, and higher throughput.

Customization Capability

Flexible lines to deliver both standard and project-specific modules.

Stringent Quality Checks

IEC, UL, and BIS-aligned testing protocols for long-term reliability.

Why Choose Us?

With innovation-driven manufacturing, Contendre delivers future-ready modules that ensure lower LCOE, higher yields, and long-term performance security.

Our Other Product Range



X Series (Mono PERC Modules | 400W – 555W)

- Proven Mono PERC technology with high conversion efficiency.
- Enhanced performance in low-light and high-temperature conditions.
- Rugged design ensures long-term stability and durability.
- Optimized for both rooftop and utility-scale installations.
- Cost-effective choice delivering consistent returns.



Customised BIPV Solutions

- Seamless integration into facades, skylights, and rooftops.
- Dual-purpose modules: aesthetics plus renewable energy.
- Fully customizable to size, design, and color.
- Eco-friendly solution reducing building carbon footprint.
- Ideal for architects, developers, and green-certified projects.

Contendre Advantages

Positive Power Tolerance | PID & LID Resistant | High Mechanical Strength | Excellent Low-Light Performance
IEC / BIS / ALMM Compliant | Upto 30-Year Warranty | Also available in DCR Variants

ERYON G12R

N-Type TOPCon

Higher efficiency, minimal degradation, and excellent long-term performance.

 **Bifacial Power Gain**
Rear-side generation boosts overall energy yield in varied installations.

 **Large G12R Wafer Format**
Maximized power per module and reduced BOS costs.

 **Superior Low-Light Performance**
Generates higher energy even during cloudy, dawn, or dusk conditions.

 **Excellent Temperature Coefficient**
Stable and higher output even in hot climates.

 **Double-Glass Durability**
Enhanced resistance to moisture, UV, and mechanical stresses.

 **Reduced LID & LeTID**
Low initial degradation ensures reliable energy over lifetime.

 **Extended Warranty**
Up to 30 years of performance warranty for peace of mind.

 **Certified for Harsh Environments**
Tested against wind, snow, salt mist, and ammonia exposure.

Up to **23.88%** Module Efficiency

Delivering more power per m² with advanced N-Type TOPCon technology

Tailored for Every Need

 **For Developers:**
Maximize MW per acre with higher power density

 **For Investors:**
Future-proof returns backed by strong warranties

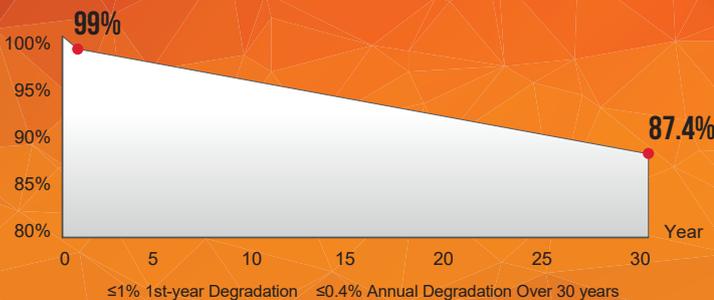
 **For Businesses & Rooftops:**
Durable, aesthetic, and reliable in diverse climates

System Certificates[^]

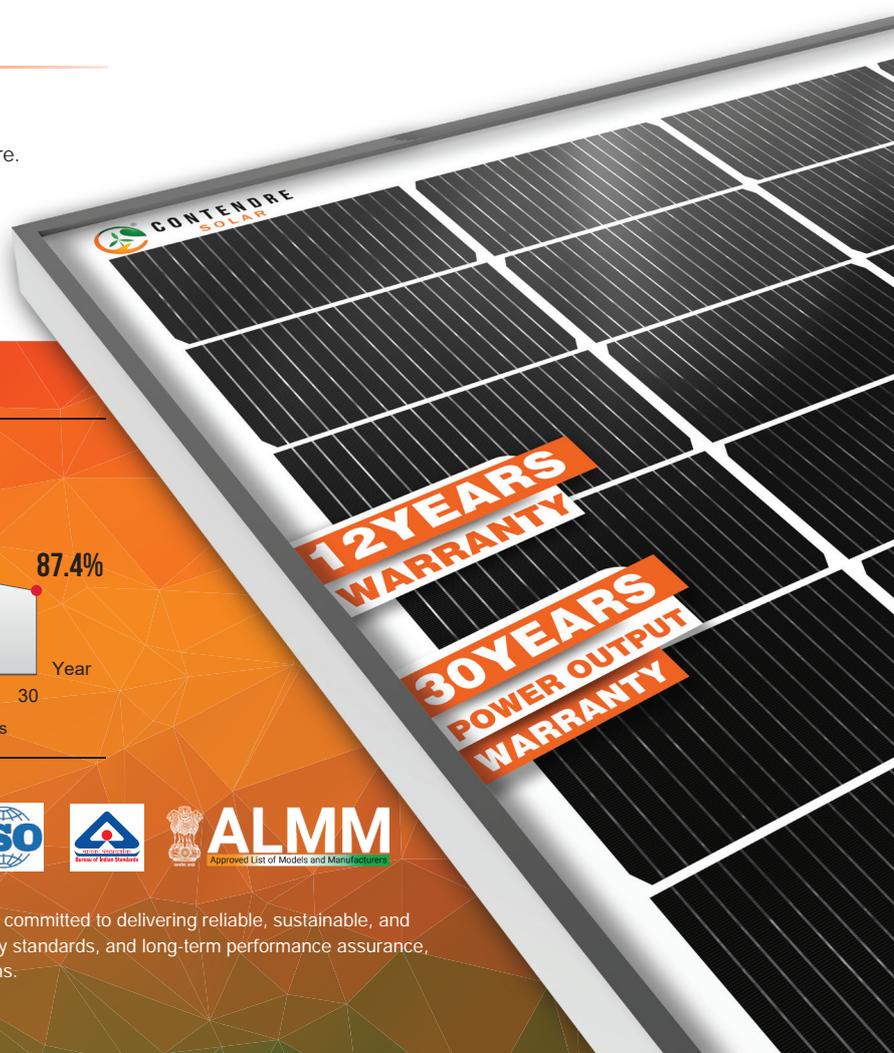
IEC 61215:2021, IEC 61730, UL 61215, UL 61730, IS 14286, IS/IEC 61730, IEC 61701, IEC 62716, IEC 60068-2-68, CAN-CSA

[^]All certifications under progress.

POWER WARRANTY



Contendre is a leading manufacturer of high-efficiency solar PV modules, committed to delivering reliable, sustainable, and future-ready energy solutions. With advanced technology, stringent quality standards, and long-term performance assurance, we empower projects worldwide to achieve lower LCOE and higher returns.

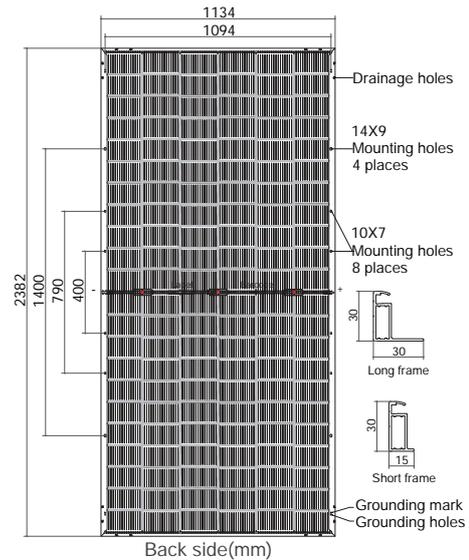


ERYON G12R N-Type TOPCon

MECHANICAL DATA

Parameter	Specification
Length × Width × Height	2382 × 1134 × 30 mm (93.77 × 44.64 × 1.18 inches)
Weight	39 Kg (85.98 lbs)
Junction Box	IP 68, Split Junction Box with individual bypass diodes
Cable & Connectors#	300 mm (+ve terminal) and 300 mm (-ve terminal) length cables, MC4 Compatible / Staubli EVO connectors
Application Class	Class A (Safety class II)
Superstrate##	2.0 mm (0.098 inches) high transmission ARC Semi-tempered glass (low iron content)
Cells	66 (132 half-cells) N-TYPE bifacial solar cells
Substrate	2.0 mm (0.098 inches) high transmission heat strengthened glass / mesh glass#* (low iron content)
Frame	Anodized aluminium
Mechanical Load Test	5400 Pa (Snow load), 2400 Pa (Wind load)
Cell Encapsulant	EPE / EPE
Maximum Series Fuse Rating	30 A
Hail Test	Ø 40 mm

##Anti-glare Glass is also available | *As per applicable product | Additional cost & lead time subject to availability.



Electrical Specifications¹

Module Type	CG-EN132610		CG-EN132615		CG-EN132620		CG-EN132625		CG-EN132630		CG-EN132635		CG-EN132640		CG-EN132645	
	STC ²	NOCT ³														
Maximum Power (Pmax/W)	610	461	615	465	620	468	625	472	630	476	635	480	640	483	645	487
Maximum Power Current (Imp/A)	14.8	11.59	14.85	11.64	14.93	11.68	14.98	11.72	15.05	11.79	15.08	11.87	15.12	11.92	15.15	12.00
Maximum Power Voltage (Vmp/V)	41.71	39.76	41.91	39.95	42.04	40.07	42.24	40.26	42.37	40.39	42.44	40.45	42.5	40.51	42.57	40.58
Short-circuit Current (Isc/A)	15.75	12.71	15.76	12.72	15.77	12.73	15.79	12.74	15.83	12.77	15.85	12.79	15.86	12.8	15.89	12.82
Open-circuit Voltage (Voc/V)	47.45	45.23	47.72	45.49	47.98	45.73	48.18	45.93	48.31	46.05	48.38	46.12	48.51	46.24	48.58	46.31
Module Efficiency STC (%)	22.58%		22.77%		22.95%		23.14%		23.32%		23.51%		23.69%		23.88%	

¹ Measurements according to IEC 60904-3, Measurement tolerance: Isc: ±4%, Voc: ±3%, Test uncertainty for Pmax: ±3%, Bifaciality: 80%±5%

² STC (Standard Test Condition): Radiation 1000W/m², Module temperature 25°C, AM=1.5

³ NMO: Radiation 800W/m², Ambient temperature 20°C, AM=1.5, Wind Speed 1m/s

Electrical Specifications¹(BNPI²)

Maximum Power (Pmax/W)	677	682	688	693	699	701	704	707
Maximum Power Current (Imp/A)	16.23	16.27	16.37	16.41	16.50	16.52	16.56	16.61
Maximum Power Voltage (Vmp/V)	41.71	41.91	42.04	42.24	42.37	42.44	42.50	42.57
Short-circuit Current (Isc/A)	18.02	18.04	18.05	18.07	18.12	18.14	18.15	18.18
Open-circuit Voltage (Voc/V)	47.45	47.72	47.98	48.18	48.31	48.38	48.51	48.58

¹ Measurements according to IEC 60904-3, Measurement tolerance: Isc: ±4%, Voc: ±3%, Test uncertainty for Pmax: ±3%

² BNPI: Front radiation 1000W/m², Rear radiation 135W/m², Module temperature 25°C, AM=1.5

Temperature Coefficients (Tc)

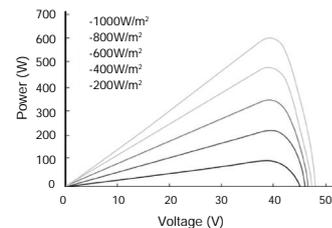
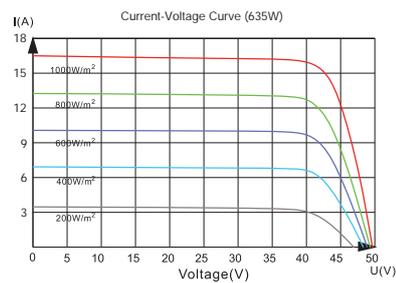
Nominal Operating Cell Temperature	43°C ± 2°C
Tc Current	0.046 % °C
Tc Voltage	-0.25 % °C
Tc Power	-0.28 % °C

Packaging

Vehicle Type	40' HQ	19' Open Truck	24' Open Truck
Pallet Dimensions (mm)	2396 × 1134 × 1250	2396 × 950 × 1250	2396 × 950 × 1250
No. of Pallet Per Vehicle	36	8	12
Pieces Per Vehicle	720	240	360

Operating Conditions

Operating Temperature (°C)	-40 to +85
Maximum System Voltage (V)	1500 DC(IEC)
Overcurrent Protection Rating (A)	30
Power Output Tolerance (%)	0-3
Protection Class	Class II
Max. Test Load, Push/Pull (Pa)	Front 5400 / Back 2400
Max. Design Load, Push/Pull (Pa)	Front 3600 / Back 1600



OFFICE: 909, Filix Tower, LBS Road, Bhandup (W), Mumbai, MH-400078. INDIA

FACTORY: Survey No. 350/351, Wada-Bhiwandi Road, Opp. Amantran Hotel, Musarne Village, Palghar, Maharashtra

Statement: Read the safety and installation manual before use. Specifications may change without notice; Electrical data is indicative only and does not constitute a guarantee. Confirm your requirements with an authorized Contendresolar representative while placing an order. Contendresolar and all its accompanying logos are trademarks of Contendresolar Limited.