

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

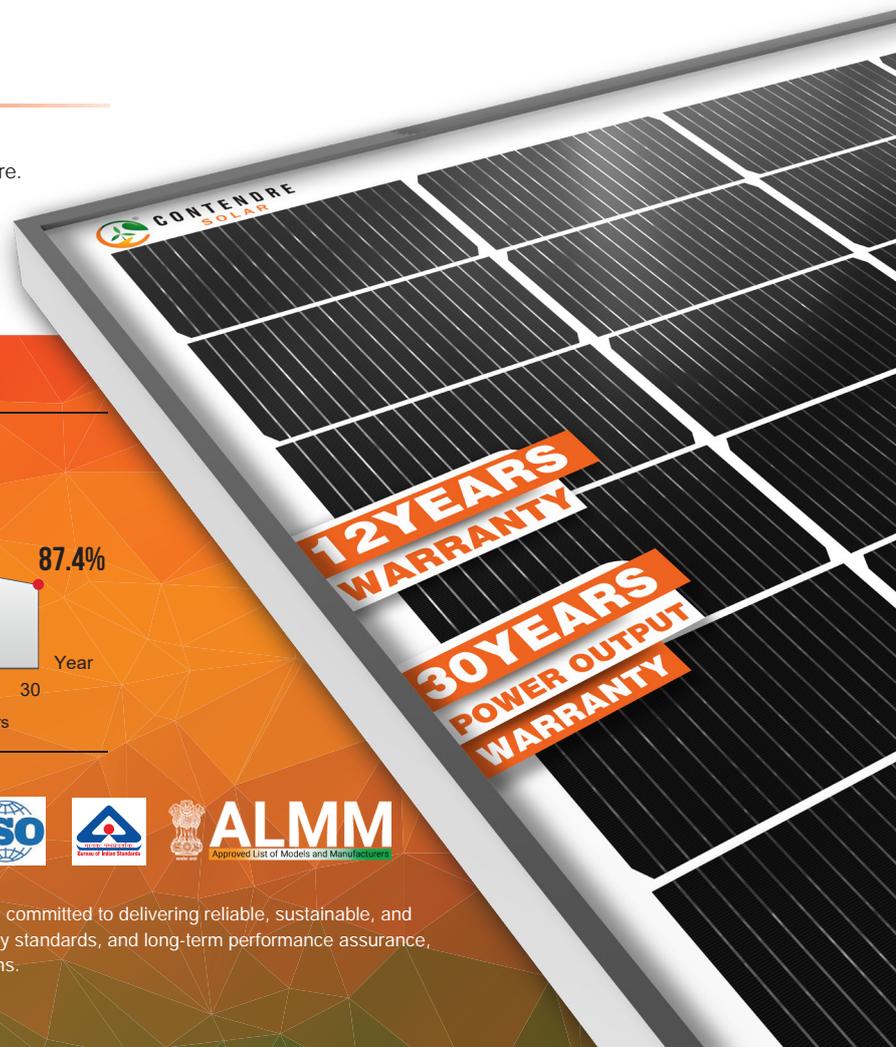


For Businesses & Rooftops:
Durable, aesthetic, and reliable in diverse climates

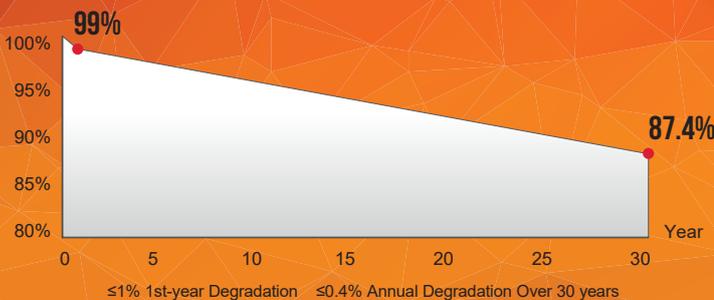
System Certificates[^]

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



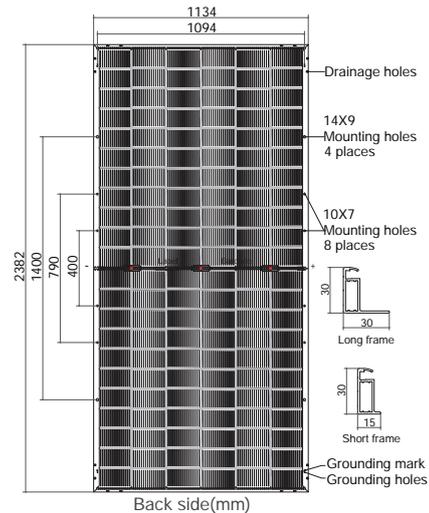
Contendre is a leading manufacturer of high-efficiency solar PV modules, committed to delivering reliable, sustainable, and future-ready energy solutions. With advanced technology, stringent quality standards, and long-term performance assurance, we empower projects worldwide to achieve lower LCOE and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

ERYON G12R N-Type TOPCon

MECHANICAL DATA

| Parameter | Specification |
|----------------------------|--|
| Length x Width x Height | 2382 x 1134 x 30 mm (93.77 x 44.64 x 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.



Back side(mm)

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 NMOT: 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)

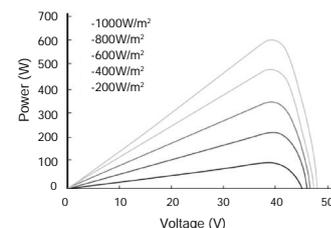
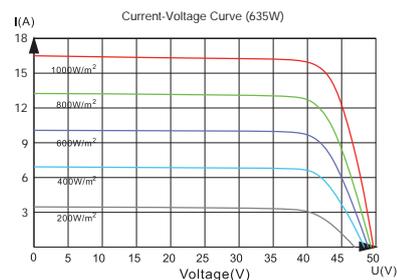
| | |
|------------------------------------|--------------|
| Nominal Operating Cell Temperature | 43°C ± 2°C |
| Tc Current | 0.046 % °C |
| Tc Voltage | -0.25 % °C |
| Tc Power | -0.31 % °C |

Packaging

| Vertical type | 40' HQ | 19' Open Truck | 24' Open Truck |
|------------------------|--------------------|-------------------|-------------------|
| Pallet Dimensions (mm) | 2396 x 1134 x 1250 | 2396 x 950 x 1250 | 2396 x 950 x 1250 |
| Pieces per Pallet | 36 | 8 | 12 |
| Pieces per Container | 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 Greenenergy Limited.