



Your home reimagined with
Intelligent Solar Power



Built on Trust

Powered by Innovation

Avaada is contributing significantly to the clean energy ecosystem by manufacturing high-efficiency solar modules designed to deliver superior performance, reliability, and long-term value. Backed by world-class manufacturing and next-generation technology, Avaada empowers modern homes to reduce energy costs, gain energy independence, and transition to smarter, more sustainable living.

More than just solar, invest in Avaada solar modules for higher efficiency, greater savings, and a better way of life.



Why Avaada is Right for Your Home



Lower Electricity Bills.
Every Month.



Power You Can
Rely On.



Long-Term Savings, Smart
Investment



Clean Energy.
Better Living.



Built for
Indian Homes.



Future-Ready
Technology



Hassle-Free,
End-to-End Solution

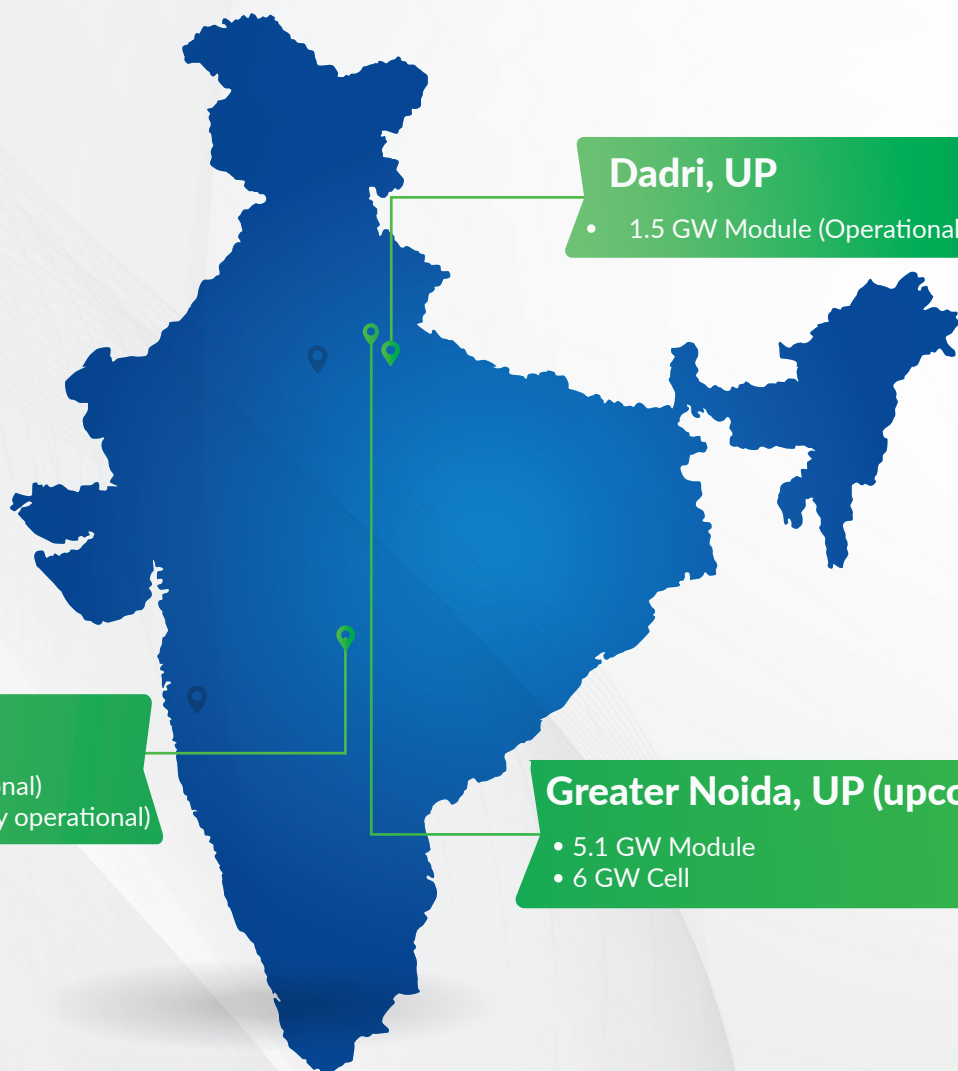


A Smarter
Home Upgrade.

MANUFACTURING FOOTPRINT & CAPACITY

From Presence to Dominance: Avaada's Manufacturing Scale

- ▶ 22000 Modules/Day
- ▶ 1.1 Km automated line



Nagpur, MH

- 7 GW Module (operational)
- 6 GW Cell Line (partially operational)

Dadri, UP

- 1.5 GW Module (Operational)

Greater Noida, UP (upcoming)

- 5.1 GW Module
- 6 GW Cell

CELL LINE
12 GW

Fiscal 2026 6.0 GW,
Fiscal 2027 6.0 GW

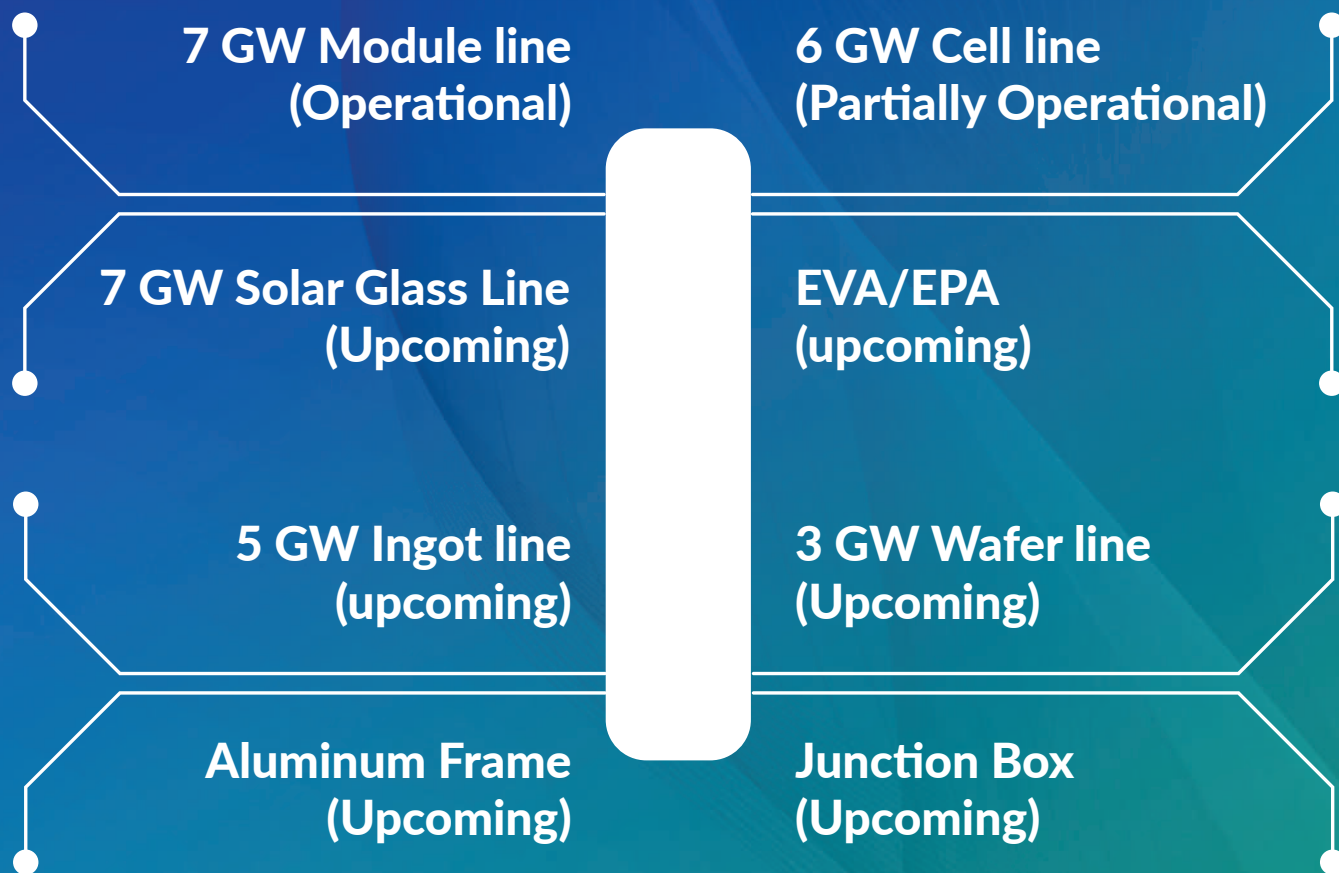
VERTICALLY INTEGRATED
SUPPLY CHAIN

Aluminum Frames
EVA Encapsulant
Junction Box
Packaging Material

MODULE LINE
13.6 GW

8.5 GW operational,
5.1 GW by FY27

India's Next-Generation Solar Manufacturing Ecosystem- Nagpur Super Factory



IEC 61215
IEC 61730
Regular Production
Surveillance
www.tuv.com
ID 1111290391



IS 14286:
2010/TEC 61215: 2005
IS/EC 61730 (PART 1) : 2004
IS/EC 61730 (PART 2) : 2004
R-93030724



 **Wood
Mackenzie**
Grade A classification



720 Wp

Solar Panel

Smarter Power for Modern Homes

High performance solar panels designed to give your home more power, more savings, and more peace of mind, every single day.

Highlights



23.18% High Efficiency

More power generation per square meter, ideal for optimizing rooftop space.



Reliable in Low Light

Strong energy generation even during cloudy weather or early mornings.



Up to 30% Additional Energy Gain

Bifacial design captures reflected sunlight to increase total energy output.



Optimized for Hot Climates

Improved temperature performance ensures dependable output in warmer regions.



Lower Long-Term Degradation

N-Type cells reduce light-induced degradation, ensuring stable performance over time.



Technical Data

Enlume

Mechanical Specification

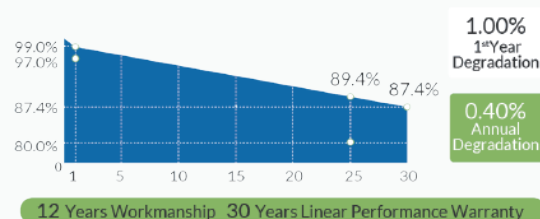
Specification	Details
Solar cells	N type TOPCon, MBB 132 Cell
Encapsulation	POE/EPE/EVA
Back glass	2.0mm, Semi Tempered Glass
Front glass	2.0mm, Anti-Reflection Coated
Frame	Anodized Aluminum Alloy
Dimensions	(L) 2384 mm x (W) 1303 mm x (H) 35mm
Weight	38 kg
J-box	IP 68 certified, 3 diodes
Cable	Solar cable 4 mm ² , length 1000 mm / customized
Connectors	MC4-compatible connectors.

Operating Properties

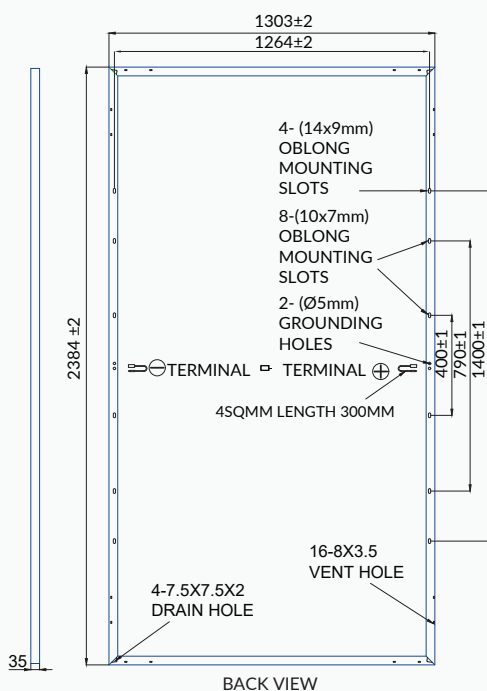
Temperature range	-40°C to +85°C
Maximum system voltage	1500 VDC
Power Tolerance	0 to 5 W
Bifaciality factor (As per Lab)	80± 5%

Operating Properties

Avaada N-type Bifacial
Glass-to-Glass Module Linear
Performance Warranty



Dimensions in mm



Certificates

1. ALMM/ ALMM2
2. BIS IEC 61730
3. IEC 61215
4. UL 61730
5. IEC 62804(PID)
6. IEC 61701 (Salt Mist)
7. IEC 61716(Ammonia)
8. IEC 62782
9. LID, LeTID
10. IEC 60068(Sand & Dust)
11. CEC
12. CE
13. PVEL

For 30 years with 1% for 1st year degradation and 0.40% from year 2 to year 30

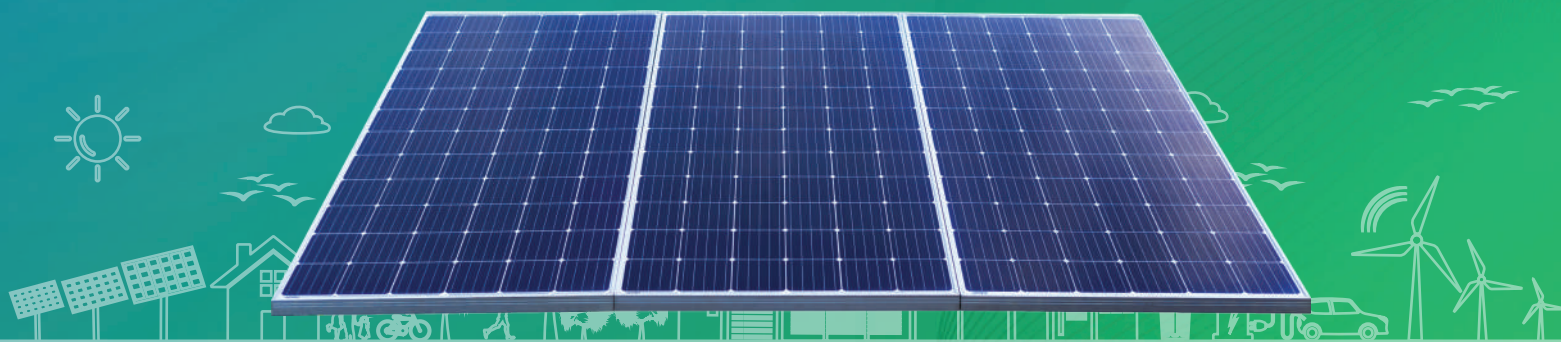
*Warranty claim is only applicable in the case if AEPL's manual guidelines are followed

Temperature Coefficient

NOCT(Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of Pmax	0.30%/°C
Temperature Coefficient of Voc	0.25%/°C
Temperature Coefficient of Isc	0.04%/°C

Packing Configuration

Container - 40'HQ
Modules per Pallet - 31
Pallets per Container - 20
Modules per Container - 620



630 Wp

Solar Panel

High Efficiency for Modern Homes

The 630 Wp solar module offers an optimal balance of power, efficiency, and seamless rooftop integration.

Key Benefits



23.18% High Efficiency

Advanced cell architecture generates more electricity from fewer panels.



Bifacial Energy Generation

Strong energy generation even during cloudy weather or early mornings.



Lower Cost of Energy

Higher power density reduces system costs and improves long-term value.



Excellent Low-Light Performance

Reliable power generation even in cloudy or low-sunlight conditions.



Durable for All Weather Conditions

Engineered to perform consistently in hot, humid, or challenging environments.



Technical Data

Enlume

Mechanical Specification

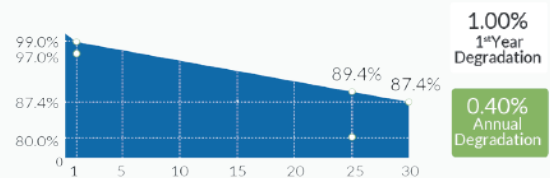
Specification	Details
Solar cells	N type TOPCon, MBB 132 Cell
Encapsulation	POE/EPE/EVA
Back glass	2.0mm, Semi Tempered Glass
Front glass	2.0mm, Anti-Reflection Coated
Frame	Anodized Aluminum Alloy
Dimensions	(L) 2382 mm x (W) 1134 mm x (H) 35mm
Weight	34 kg
J-box	IP 68 certified, 3 diodes
Cable	Solar cable 4 mm ² , length 1000 mm / customized
Connectors	MC4-compatible connectors.

Operating Properties

Temperature range	-40°C to +85°C
Maximum system voltage	1500 VDC
Power Tolerance	0 to 5 W
Bifaciality factor (As per Lab)	80± 5%

Operating Properties

Avaada N-type Bifacial
Glass-to-Glass Module Linear
Performance Warranty

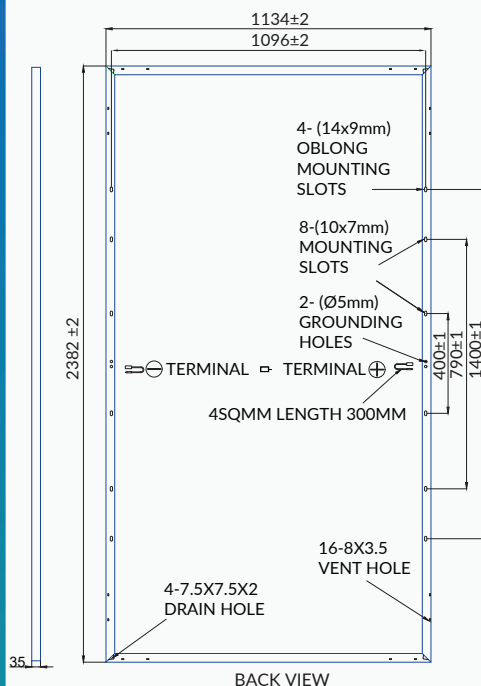


12 Years Workmanship 30 Years Linear Performance Warranty

For 30 years with 1% for 1st year degradation and 0.40% from year 2 to year 30

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Dimensions in mm



Certificates

1. ALMM/ALMM2
2. BIS IEC 61730
3. IEC 61215
4. UL 61730
5. IEC 62804(PID)
6. IEC 61701 (Salt Mist)
7. IEC 61716(Ammonia)
8. IEC 62782
9. LID, LeTID
10. IEC 60068(Sand & Dust)
11. CEC
12. CE
13. PVEL

Temperature Coefficient

NOCT(Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of Pmax	0.30%/°C
Temperature Coefficient of Voc	0.25%/°C
Temperature Coefficient of Isc	0.04%/°C

Packing Configuration

Container - 40'HQ
Modules per Pallet - 31
Pallets per Container - 20
Modules per Container - 620



610 Wp

Solar Panel

Compact Design. Premium Performance.

The 610 Wp solar module delivers the perfect balance of power, efficiency, and high performance.

Why Homeowners Choose It



23.60% Efficiency

One of the highest efficiency levels for residential solar modules.



Up to 30% Additional Energy Gain

Bifacial technology captures reflected sunlight to increase generation.



Stable Long-Term Output

Low LID characteristics maintain performance over decades.



Reliable in Hot Climates

Enhanced temperature coefficient ensures consistent output.



Flexible Installation Options

Ideal for rooftops, vertical installations, and humid regions.



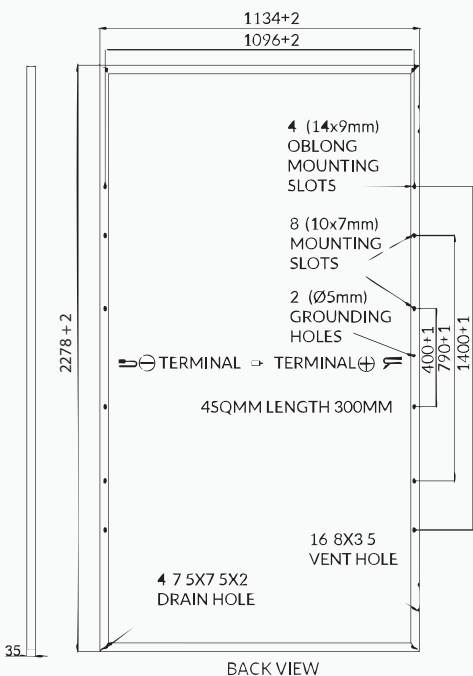
Technical Data

Integlow

Mechanical Specification

Specification	Details
Solar cells	N type TOPCon, MBB 144 Cell
Encapsulation	POE/EPE/EVA
Back glass	2.0mm, Semi Tempered Glass
Front glass	2.0mm, Anti-Reflection Coated
Frame	Anodized Aluminum Alloy
Dimensions	(L) 2278 mm x (W) 1134 mm x (H) 35mm
Weight	32 kg
J-box	IP 68 certified, 3 diodes
Solar Cable	4 mm ² , length 1000 mm / customized
Connectors	MC4-compatible connectors.

Dimensions in mm



Certificates

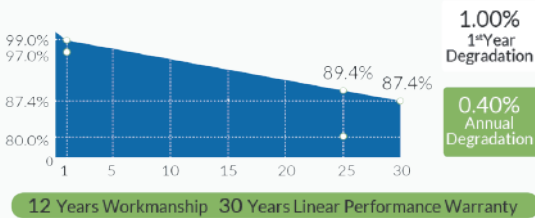
1. ALMM/ALMM2
2. BIS IEC 61730
3. IEC 61215
4. UL 61730
5. IEC 62804(PID)
6. IEC 61701 (Salt Mist)
7. IEC 61716(Ammonia)
8. IEC 62782
9. LID, LeTID
10. IEC 60068(Sand & Dust)
11. CEC
12. CE
13. PVEL

Operating Properties

Temperature range	-40°C to +85°C
Maximum system voltage	1500 VDC
Power Tolerance	0 to 5 W
Bifaciality factor (As per Lab)	80± 5%

Operating Properties

Avaada N-type Bifacial Glass-to-Glass Module Linear Performance Warranty



For 30 years with 1% for 1st year degradation and 0.40% from year 2 to year 30

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Temperature Coefficient

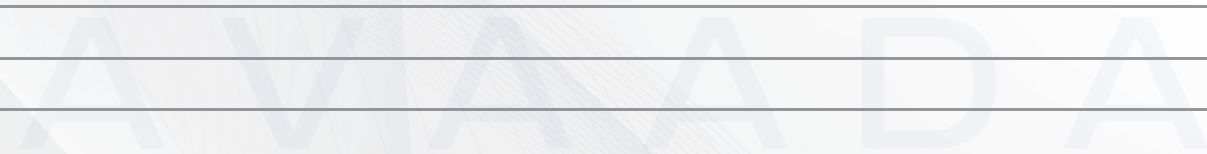
NOCT(Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coefficient of P _{max}	0.30%/°C
Temperature Coefficient of V _{oc}	0.25%/°C
Temperature Coefficient of I _{sc}	0.04%/°C

Packing Configuration

Container - 40'HQ
Modules per Pallet - 31
Pallets per Container - 20
Modules per Container - 620



Notes



ALWAYS CLEAN. ALWAYS ON.



AVAADA ELECTRO

Generate clean power. Reduce electricity bills.
Elevate your home's future.

New Delhi

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Building,
Kasturba Gandhi Marg,
New Delhi - 110001

Corporate Office

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Andheri (East),
Mumbai - 400069,
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Corporate Office



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