

The background of the advertisement features a dark blue sky with a faint grid pattern. In the bottom left corner, there is a silhouette of a city skyline with several skyscrapers. Overlaid on the right side of the image is a large, complex graphic consisting of multiple concentric circles and arcs in shades of blue and white. These arcs are segmented, giving the impression of a stylized sun or a solar panel array. The overall aesthetic is modern and technological.

adani
Solar

Get SUNplugged

Adani Solar is the solar PV manufacturing arm of Adani Group, India's largest and most diversified business conglomerate. The group comprises 10 publicly traded companies with a market cap of over USD 200 billion and has created world-class energy, transport, and utility infrastructure portfolios with a pan-India presence

Adani Solar is India's 1st and largest vertically integrated solar PV manufacturer with 4 GW cells & modules and 2 GW of ingots & wafers manufacturing capacities.

The Company's vision is to build the world's first and only Geographically co-located, fully integrated and comprehensive solar manufacturing ecosystem of 10 GW, at Mundra, India. Full PV chain vertical integration (Metallurgical-Grade Silicon, Polysilicon, Ingots, Wafers, Cells, and Modules) will be supported by ancillary units (Solar Glass, Aluminum Frame, Encapsulant, Back sheet, Junction Box, Diamond Wires, Silver paste, Crucibles, Hot zone etc.), all in a single campus - the Mundra Electronic Manufacturing Cluster, spanning an area of over 800 acres. Adani Solar's manufacturing facilities housed in green buildings are configured to ensure the absorption of any future technological upgrade.

We are the only Indian Solar PV manufacturer to be awarded as "Top Performer" by PVEL Global reliability testing consecutively for 7 years. (2018 - 2024)

PRESENCE



across
50+
countries

MARKET CAP



worth
USD 200 bn

Driving
the Solar
Revolution

upto
30
years

Linear warranty assuring
optimal performance

12
years

Limited product
warranty

expanding to
10
GW

Building the World's 1st ever Fully
Integrated and Comprehensive
Eco-system of 10 GW Solar PV
manufacturing

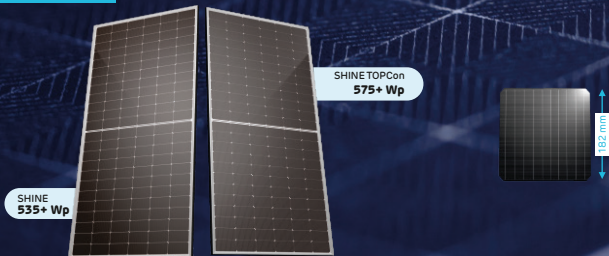


World-Class Solar Modules for you

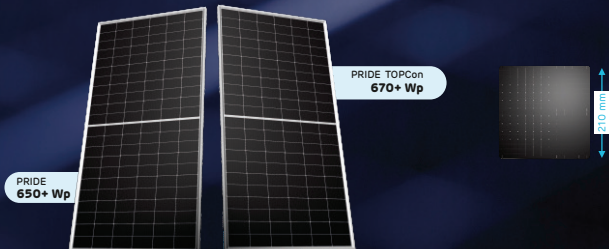
Adani Solar's cutting-edge technology, scale of operations, cost leadership and reliability, sets it apart from all other global competitors and supporting utilities. Adani Solar produces hi-tech solar panel modules using advanced technology and supplies reliable solar modules that are proven to meet the customer's exact requirements.

- G12, M10 Bifacial PERC/ TopCon cells
- Half Cut, Multi Bus Bar Technology
- Ga/B doped Wafer Technology
- Module Efficiency upto 23.4%
- Excellent PID Resistance
- Linear Power Degradation as low as 0.40%
- Bifaciality Factor upto 80%
- Upto 30 Years Warranty

SHINE Series



PRIDE Series



Dawn of a New Era in the Solar Revolution

Adani Solar is currently building the World's first ever Fully Integrated & Comprehensive Solar Manufacturing Eco-system of 10 GW in Mundra, India.

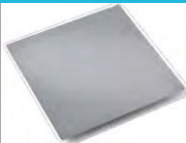


10 GW of
Metallurgical
Grade Silica

10 GW of
Polysilicon



10 GW of
Ingots



10 GW of
Wafers

10 GW of
Solar Cell



10 GW of
Solar Module

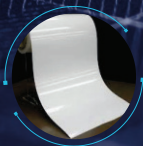
Adani's focus is on renewable energy to enable a responsible energy transition with accelerated footprints in the energy sector. Our proactive investment in Clean Energy and technologies validates our commitment to a sustainable future.

Fully Integrated and Comprehensive Ecosystem

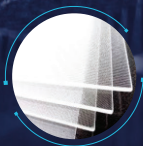
- Just in Time Supplies
- Reduced import dependency
- Seamless supply of key raw materials



EVA
Facility



Backsheet
Facility



Glass
Project



Cell & Module
Facility



Warehouse



Training
& Testing Lab



Aluminium
Frame Facility

Our Technology Roadmap

Introducing the groundbreaking N-Type Rectangular wafer modules, engineered to elevate a wide range of applications. Experience heightened power generation through lower attenuation, enhanced temperature coefficients, and superior performance in low-light conditions. Elevate your projects with unparalleled efficiency and reliability.

SHINE TOPCon

Gen-III

620+ Wp

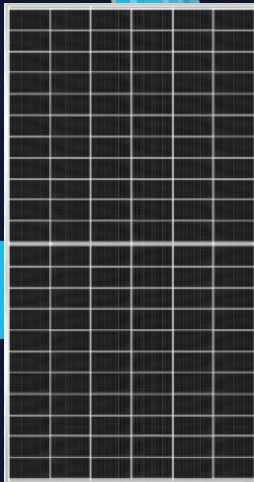
Maximum Power
Output

22.93%

Maximum Efficiency

G12R

Wafer Size



Key Highlights



Up to 30% Additional Power Gain when compared with conventional P-type module



Excellent anti-LID, anti-LeTid & anti-PID Performance - Higher power generation



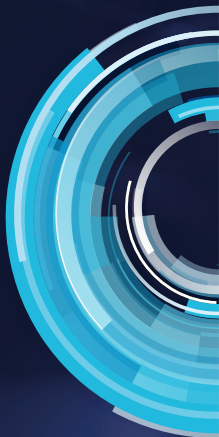
Better Output In Low Irradiance- Higher power output even under low-light environments like on cloudy or foggy days



Lower Temperature Coefficient- More energy yield even under hot climatic conditions



Bifaciality Factor $80 \pm 5\%$ - High Bifacial Gain conditions



The Brighter Side of Business



Largest Indian ingots, wafers, cells & modules manufacturer



Supreme Product Quality with Integrated Plant
In-house Cell, EVA, Backsheet manufacturing with superior process controls



Top Performer by PVEL 2024, 2023, 2022, 2021, 2020, 2019 & 2018 PQP Program (Highest reliability & best performance)



3rd Party Validated PAN, IAM and LetID Files
Assuring higher generation



Modules Tested for 3 IEC
Assuring superior reliability & linear warranty of PV Modules



Audited by PI Berlin, Black & Veatch, TÜV Rheinland

ELAN SHINE TOPCON Series

N-type
Dual Glass Modules

ASB-M10-144-AAA (AAA=550-580) 144
Cells | 550-580 Wp | Gen-II

580+ Wp

Maximum Power
Output

22.5%

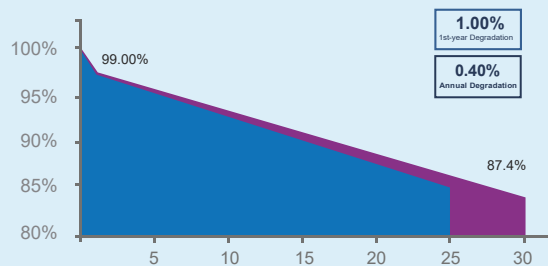
Maximum Efficiency

0~+5W

Power Tolerance

Linear Performance Warranty

Adani Linear Warranty STD Linear Warranty



Highlights



Up to 30% Additional Power Gain when compared with conventional P-type module



No LID Loss - Higher power generation



Better Output In Low Irradiance-
Higher power output even under low-light environments like on cloudy or foggy days



Better Temperature Coefficient-
Higher power generation under higher ambient temperature conditions

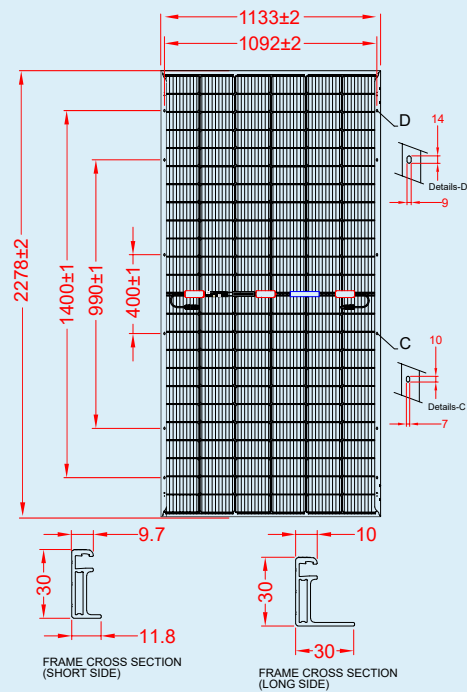


Bifaciality Factor $80 \pm 5 \%$

Delivers Reliable Performance Over Time

- Full-automatic facility and industry-leading technology
- Best-in-class durability and reliability

Dimensions in mm

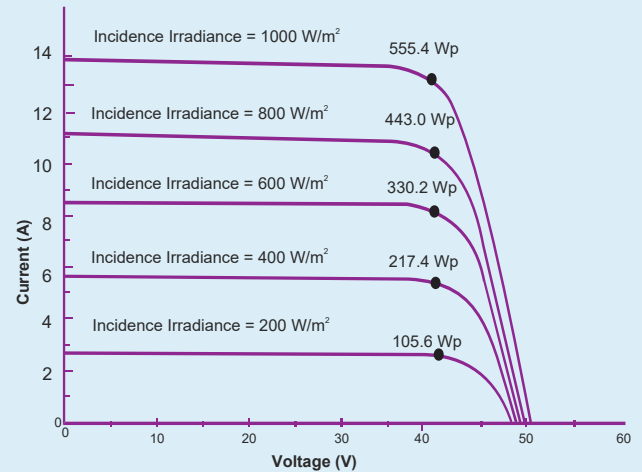


Technical Data

Multi Irradiance Curve

Bifacial M10-144 HC Cell Module

Cell temp: 25°C



Electrical data - All data measured to STC*

Electrical Specification	Only front (STC)						
Peak power, Pmax(Wp)	550	555	560	565	570	575	580
Maximum voltage, Vmpp (V)	42.84	43.05	43.22	43.39	43.56	43.78	43.98
Maximum current, Imp (A)	12.86	12.91	12.97	13.03	13.08	13.14	13.19
Open circuit voltage, Voc (V)	51.3	51.5	51.7	51.9	52.1	52.3	52.5
Short circuit current, Isc (A)	13.59	13.65	13.71	13.77	13.83	13.89	13.95
Module efficiency (%)	21.3	21.5	21.7	21.9	22.1	22.3	22.5

*STC: Irradiance 1000 W/m², cell temperature 25°C, Air mass AM 1.5 according to EN 60904-3. Average efficiency reduction is approx. 3% at 200 W/m² according to EN 60904-1. Except Pmp, all other parameter have tolerance of +/-3%, measurement uncertainty <3%.

Electrical Characteristics with different rear side power gain (Reference 560 Wp Front)

Electrical Specification	Pmax gain from rear side ^λ				
Bifaciality Gain	10%	15%	20%	25%	30%
Peak power, (0 ~+ 4.99 Wp) Pmax(Wp)	616	644	672	700	728
Maximum voltage, Vmpp (V)	43.95	44.05	44.15	44.25	44.36
Maximum current, Imp (A)	14.03	14.63	15.24	15.85	16.46
Open circuit voltage, Voc (V)	52.01	52.11	52.21	52.31	52.42
Short circuit current, Isc (A)	15.08	15.75	16.44	17.14	17.81
Module efficiency (%)	23.8	24.9	26.0	27.1	28.20

^λ Power gain from rear side depends upon the ground reflectance (Albedo) & Bifaciality factor.

Packaging Configuration

Container	40'HC
Pallets / Container	20
Pieces / Container	720

Note:

- The specifications included in this datasheet are subject to change without notice.
- The electrical data given here is for reference purpose only.
- Please confirm your exact requirements with the sales representative while placing your order.

Caution:

Please read safety and installation instructions before using the product.

Temperature co-efficients (Tc) and permissible operating conditions

T _c of open circuit voltage (β)	-0.24% /°C
T _c of short circuit current (α)	0.028% /°C
T _c of power (γ)	-0.32% /°C
Maximum system voltage	1500 VDC (IEC & UL)
NOCT	45°C ± 2°C
Temperature range	-40°C to + 85°C

Mechanical data

Length	2278 mm
Width	1133 mm
Height	30 mm
Weight	31.3 kg
Junction box	IP68
Cable and connectors	300 mm length cable, MC4 compatible connectors
Application class	Class A (Safety class II)
Superstrate	High Transmission ARC glass 2.0 mm
Cells	N-type Bifacial 144 Half-cut cell
Encapsulation	High volume resistivity and low MVTR
Substrate	Semi Tempered Glass 2.0 mm
Frame	Anodized Frame
Design Mechanical load	3600 Pa-downward; 1600 Pa-Upward
Safety Factor for Mechanical load	1.5
Maximum series fuse rating	30 A

#Warranty:

Please read Adani solar warranty documents thoroughly.

Warranty and certifications

Product warranty[#] 12 years of product warranty

Performance warranty[#] Power degradation <1.0% in first year <0.40% / year in 2-30 years

Approvals and certificates[†]: IEC 61215, IEC 61730, UL 61730, BIS, IEC 61853-1, IEC 62782, IEC 61853-2, IEC 61701, IEC 60068-2-68, IEC 62716

[†] Few Certification in process



ELAN SHINE TOPCON Series

N-type
Bifacial Transparent Backsheet Modules

ASB-M10-144-AAA (AAA=550-580) 144 Cells
| 550-580 Wp | Gen-II

580+ Wp

Maximum Power
Output

22.47%

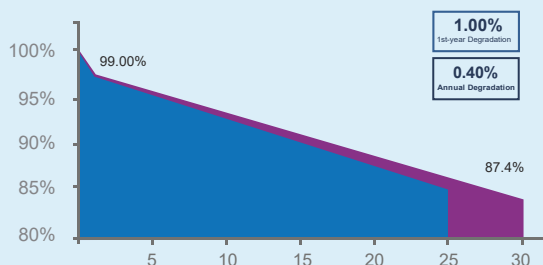
Maximum Efficiency

0~+5W

Power Tolerance

Linear Performance Warranty

Adani Linear Warranty STD Linear Warranty



Highlights



Up to 30% Additional Power Gain when compared with conventional P-type module



No LID Loss - Higher power generation



Better Output In Low Irradiance-
Higher power output even under low-light environments like on cloudy or foggy days



Better Temperature Coefficient-
Higher power generation under higher ambient temperature conditions

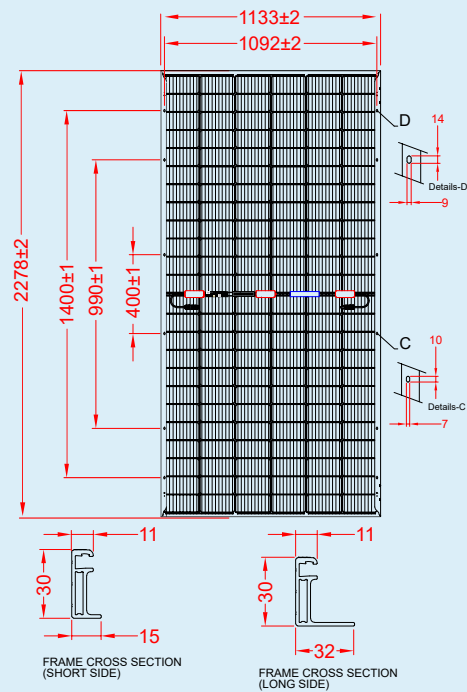


Bifaciality Factor $80 \pm 5 \%$

Delivers Reliable Performance Over Time

- Full-automatic facility and industry-leading technology
- Best-in-class durability and reliability

Dimensions in mm

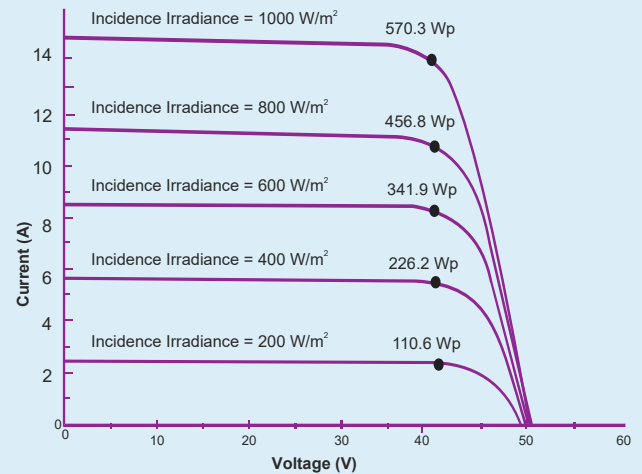


Technical Data

Multi Irradiance Curve

Bifacial M10-144 HC Cell Module

Cell temp: 25°C



Electrical data - All data measured to STC*

Electrical Specification	Only front (STC)						
Peak power, Pmax(Wp)	550	555	560	565	570	575	580
Maximum voltage, Vmpp (V)	43.35	43.52	43.69	43.86	44.03	44.20	44.40
Maximum current, Imp (A)	12.69	12.75	12.82	12.88	12.95	13.01	13.08
Open circuit voltage, Voc (V)	51.00	51.20	51.40	51.60	51.80	52.00	52.20
Short circuit current, Isc (A)	13.36	13.43	13.49	13.56	13.63	13.70	13.76
Module efficiency (%)	21.31	21.50	21.70	21.89	22.08	22.28	22.47

*STC: Irradiance 1000 W/m², cell temperature 25°C, Air mass AM 1.5 according to EN 60904-3. Average efficiency reduction is approx. 3% at 200 W/m² according to EN 60904-1. Except Pmp, all other parameter have tolerance of +/-3%, measurement uncertainty <3%.

Electrical Characteristics with different rear side power gain (Reference 560 Wp Front)

Electrical Specification	Pmax gain from rear side ^λ				
Bifaciality Gain	10%	15%	20%	25%	30%
Peak power, (0 ~+ 4.99 Wp) Pmax(Wp)	616	644	672	700	728
Maximum voltage, Vmpp (V)	44.43	44.53	44.64	44.74	44.84
Maximum current, Imp (A)	13.87	14.47	15.07	15.67	16.27
Open circuit voltage, Voc (V)	51.70	51.81	51.91	52.00	52.11
Short circuit current, Isc (A)	14.83	15.50	16.18	16.86	17.53
Module efficiency (%)	23.8	24.9	26.0	27.1	28.20

^λ Power gain from rear side depends upon the ground reflectance (Albedo) & Bifaciality factor.

Packaging Configuration

Container	40'HC
Pallets / Container	20
Pieces / Container	720

Note:

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- Please confirm your exact requirements with the sales representative while placing your order.

Caution:

Please read safety and installation instructions before using the product.

Temperature co-efficients (Tc) and permissible operating conditions

T _c of open circuit voltage (β)	-0.26% /°C
T _c of short circuit current (α)	0.046% /°C
T _c of power (γ)	-0.31% /°C
Maximum system voltage	1500 VDC (IEC & UL)
NOCT	45°C ± 2°C
Temperature range	-40°C to + 85°C

Mechanical data

Length	2278 mm
Width	1133 mm
Height	30 mm
Weight	28 kg
Junction box	IP68
Cable and connectors	300 mm length cable, MC4 compatible connectors
Application class	Class A (Safety class II)
Superstrate	High Transmission ARC glass 3.2 mm
Cells	N-type Bifacial 144 Half-cut cell
Encapsulation	High volume resistivity and low MVTR
Substrate	Transparent / Patterned Backsheet
Frame	Anodized Frame
Design Mechanical load	3600 Pa-downward; 1600 Pa-Upward
Safety Factor for Mechanical load	1.5
Maximum series fuse rating	30 A

#Warranty:

Please read Adani solar warranty documents thoroughly.

Warranty and certifications

Product warranty[#] 12 years of product warranty

Performance warranty[#] Power degradation <1.0% in first year <0.40% / year in 2-30 years

Approvals and certificates[†]: IEC 61215, IEC 61730, UL 61730, BIS, IEC 61853-1, IEC 62782, IEC 61853-2, IEC 61701, IEC 60068-2-68, IEC 62716



ELAN SHINE Series

Bifacial PV Modules with Dual Glass, MBB P-Type PERC Half-cut

ASB-M10-144-AAA (AAA=520-550)
144 Cells | 520-550 Wp | Gen-II

Highlights



MBB cell technology - excellent anti-microcracking performance with more balanced interior stress: grid pattern current path, lower cost



Up to $70 \pm 5\%$ Bifaciality Factor



Longer Product life and performance -0.45% year over year degradation with 30 years warranty on power



Least degradation for LID & LeTID

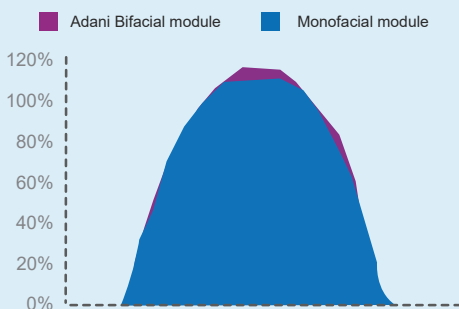


Modules made with Ga doped wafer with Smart soldering

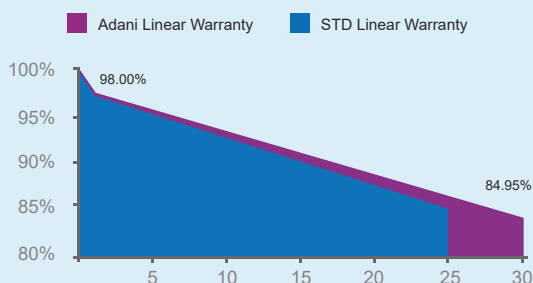


Excellent PID resistance

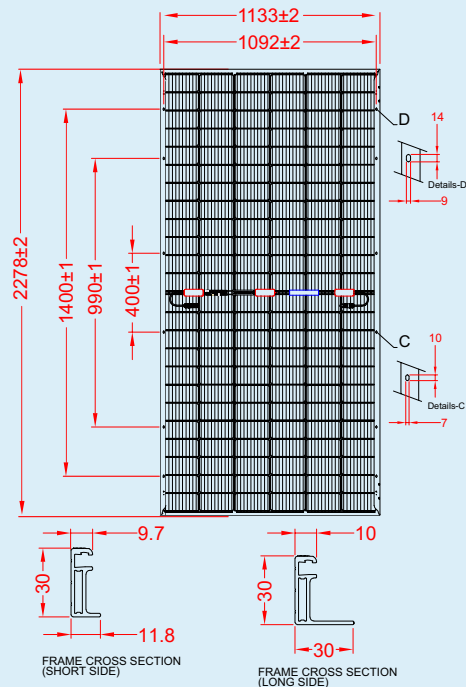
Higher generation due to Bifacial technology



Warranty based on Power



Dimensions in mm

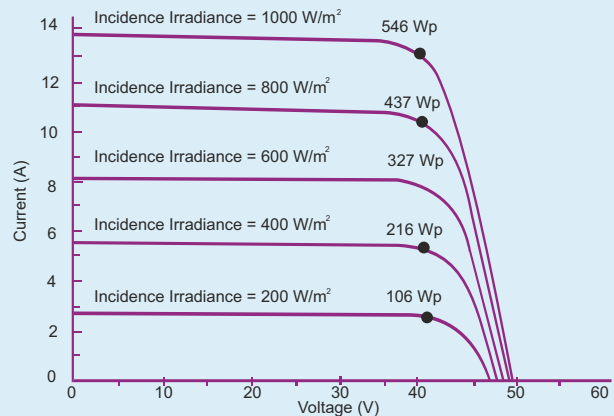


Technical Data

Multi Irradiance Curve

Bifacial M10-144 HC Cell Module

Cell temp: 25°C



Electrical data - All data measured to STC*

Electrical Specification	Only front (STC)						
Peak power, (0 ~+ 4.99 Wp)							
Pmax(Wp)	520	525	530	535	540	545	550
Maximum voltage, Vmpp (V)	41.18	41.34	41.49	41.64	41.80	41.94	42.09
Maximum current, Imp (A)	12.65	12.72	12.79	12.86	12.93	13.01	13.07
Open circuit voltage, Voc (V)	48.60	48.78	48.95	49.12	49.32	49.48	49.67
Short circuit current, Isc (A)	13.41	13.48	13.55	13.63	13.71	13.79	13.85
Module efficiency (%)	20.15	20.34	20.54	20.73	20.92	21.12	21.31

*STC: Irradiance 1000 W/m², cell temperature 25°C, Air mass AM 1.5 according to EN 60904-3.
Average efficiency reduction is approx. 3% at 200 W/m² according to EN 60904-1. Except Pmp, all other parameter have tolerance of +/-3%, measurement uncertainty <3%.

Electrical Characteristics with different rear side power gain (Reference 525 Wp Front)

Electrical Specification	Pmax gain from rear side ^λ			
Bifaciality Gain	10%	15%	20%	25%
Peak power, (0 ~+ 4.99 Wp) Pmax(Wp)	575	600	630	650
Maximum voltage, Vmpp (V)	41.35	41.35	41.36	41.36
Maximum current, Imp (A)	13.89	14.50	15.25	15.75
Open circuit voltage, Voc (V)	48.36	48.36	48.36	48.36
Short circuit current, Isc (A)	15.01	15.66	16.47	17.01
Module efficiency (%)	22.28	23.25	24.41	25.19

^λ Power gain from rear side depends upon the ground reflectance (Albedo) & Bifaciality factor.

Packaging Configuration

Container	40'HC
Pallets / Container	20
Pieces / Container	720

Note:

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- The electrical data given here is for reference purpose only.
- Please confirm your exact requirements with the sales representative while placing your order.

Caution:

Please read safety and installation instructions before using the product.

Temperature co-efficients (Tc) and permissible operating conditions

T _c of open circuit voltage (β)	-0.24% /°C
T _c of short circuit current (α)	0.037% /°C
T _c of power (γ)	-0.32% /°C
Maximum system voltage	1500 VDC (IEC & UL)
NOCT	45°C ± 2°C
Temperature range	-40°C to + 85°C

Mechanical data

Length	2278 mm
Width	1133 mm
Height	30 mm
Weight	31.3 kg
Junction box	IP68; Junction box
Cable and connectors	300 mm length cable, MC4 compatible connectors
Application class	Class A (Safety class II)
Superstrate	High Transmission ARC, Heat Strengthened Glass 2.0 mm
Cells	144 Half-cut mono-crystalline P-type PERC bifacial solar cells; Multi bus bar
Encapsulation	High volume resistivity and low MVTR
Substrate	Semi Tempered Glass 2.0 mm
Frame	Anodized Frame
Design Mechanical load	3600 Pa-downward; 1600 Pa-Upward
Safety Factor for Mechanical load	1.5
Maximum series fuse rating	30 A

Warranty:

Please read Adani Solar warranty documents thoroughly.

Warranty and certifications

Product warranty[#] 12 years of product warranty

Performance warranty[#] Power degradation <2.0% in first year <0.45% / year in 2-30 years

Approvals and certificates[†]: IEC 61215, IEC 61730, BIS, UL 61730, IEC 61853, IEC 62716, IEC 60068-2-68, IEC 61701, IEC 62716, IEC 61853-2



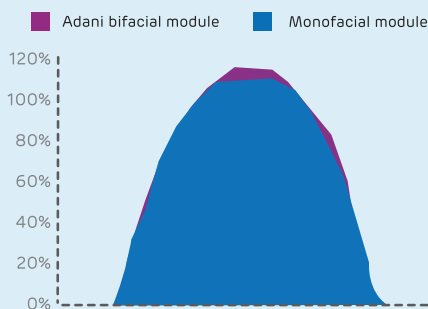
ELAN SHINE Series

Bifacial PV Modules with Transparent Backsheet, MBB P-Type PERC Half-cut

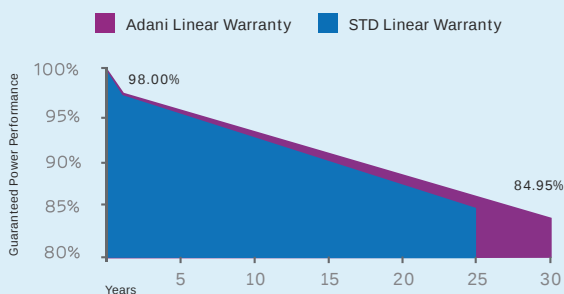
ASB-M10-144-AAA (AAA=520-545)
144 Cells | 520-545 Wp

Highlights

Higher generation due to bifacial technology



Warranty based on Power



MBB cell technology - excellent anti-microcracking performance with more balanced interior stress: grid pattern current path, lower cost



Up to $70 \pm 5\%$ bifaciality Factor



Longer Product life and performance -0.45% year over year degradation with 30 years warranty on power



Least degradation for LID & LeTID

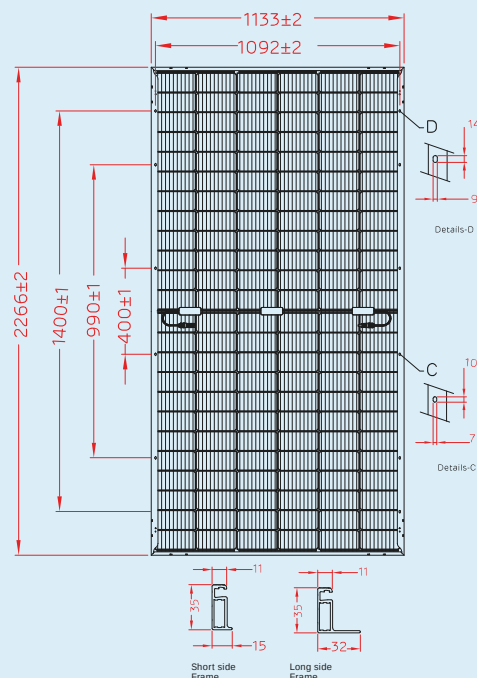


Modules made with Ga doped wafer with Smart soldering



Excellent PID resistance

Dimensions in mm

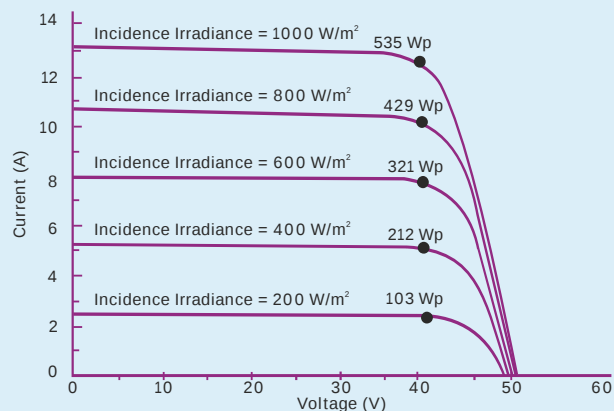


Technical Data

Multi Irradiance Curve

Bifacial M10-144 HC Cell Module

Cell temp: 25°C



Electrical data – All data measured to STC*

Electrical Specification	Only front (STC)					
Peak power, (0 ~+ 4.99 Wp)						
Pmax(Wp)	520	525	530	535	540	545
Maximum voltage, Vmpp (V)	41.18	41.34	41.49	41.64	41.80	41.94
Maximum current, Impp (A)	12.65	12.73	12.79	12.86	12.93	13.01
Open circuit voltage, Voc (V)	48.60	48.78	48.95	49.12	49.32	49.48
Short circuit current, Isc (A)	13.41	13.48	13.55	13.63	13.71	13.79
Module efficiency (%)	20.25	20.44	20.64	20.83	21.03	21.22

*STC: Irradiance 1000 W/m², cell temperature 25°C, Air Mass AM 1.5 according to EN 60904-3. Average efficiency reduction is approx 3% at 200 W/m² according to EN 60904-1. Except Pmp, all other parameters have tolerance of +/-3%, measurement uncertainty <3%.

Electrical Characteristics with different rear side power gain (Reference 525 Wp Front)

Electrical Specification	Pmax gain from rear side*			
Bifaciality Gain	10%	15%	20%	25%
Peak power, (0 ~+ 4.99 Wp) Pmax(Wp)	575	600	630	650
Maximum voltage, Vmpp (V)	41.34	41.35	41.36	41.37
Maximum current, Impp (A)	13.89	14.51	15.24	15.72
Open circuit voltage, Voc (V)	48.36	48.36	48.36	48.36
Short circuit current, Isc (A)	15.01	15.66	16.47	17.01
Module efficiency (%)	22.39	23.37	24.54	25.32

* Power gain from rear side depends upon the ground reflectance (Albedo) & Bifaciality factor.

Packaging Configuration

Container	40'HC	
Pallets / Container	20	Pieces / Container 620

Note:

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- Please confirm your exact requirements with the sales representative while placing your order.

*Caution:

Please read safety and installation instructions before using the product.

Temperature co-efficients (Tc) and permissible operating conditions

Tc of open circuit voltage (β)	-0.26% /°C
Tc of short circuit current (α)	0.054% /°C
Tc of power (γ)	-0.32% /°C
Maximum system voltage	1500 VDC (IEC & UL)
NOCT	45°C ± 2°C
Temperature range	-40°C to + 85°C

Mechanical data

Length	2266 mm
Width	1133 mm
Height	35 mm
Weight	28.0 kg
Junction box	IP68; Junction box
Cable and connectors	300 mm length cable, MC4 compatible connectors
Application class	Class A (Safety class II)
Superstrate	High Transmission ARC glass 3.2 mm
Cells	144 Half-cut mono-crystalline P-type PERC bifacial solar cells; Multi bus bar
Encapsulation	High volume resistivity and low MVTR
Substrate	Transparent Backsheet
Frame	Anodized Frame
Design Mechanical load	3600 Pa-downward; 1600 Pa-Upward
Safety Factor for Mechanical load	1.5
Maximum series fuse rating	30 A

** Warranty:

Please read Adani solar warranty documents thoroughly.

Warranty and certifications

Product warranty** 12 years of product warranty

Performance guarantee** Power degradation <2.0% / year in first year <0.45% / year in 2-30 years

Approvals and certificates* : IEC 61215, IEC 61730, UL 61730, BIS, IEC 61853-1, IEC 62782, IEC 61853-2, IEC 61701, IEC 60068-2-68, IEC 62716



ETERNAL SHINE Series

Monofacial PV Modules
MBB P-Type PERC Half-cut

ASM-M10-144-AAA (AAA=520-545)
144 Cells | 520-545 Wp

Highlights



MBB cell technology with
10BB, smart soldering



High module
conversion efficiency
upto 21.22%



Excellent low light
performance



Least degradation for LID &
LeTID with Ga Doped wafer
technology

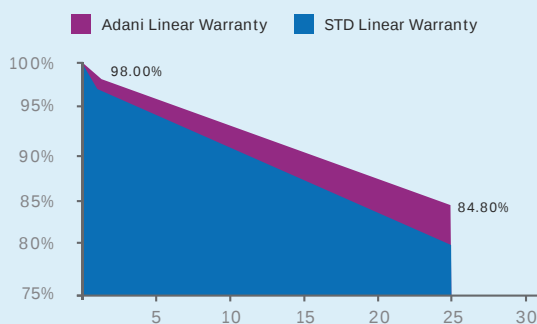


Excellent anti-micro
cracking performance with
more balanced interior
stress: grid pattern
current path

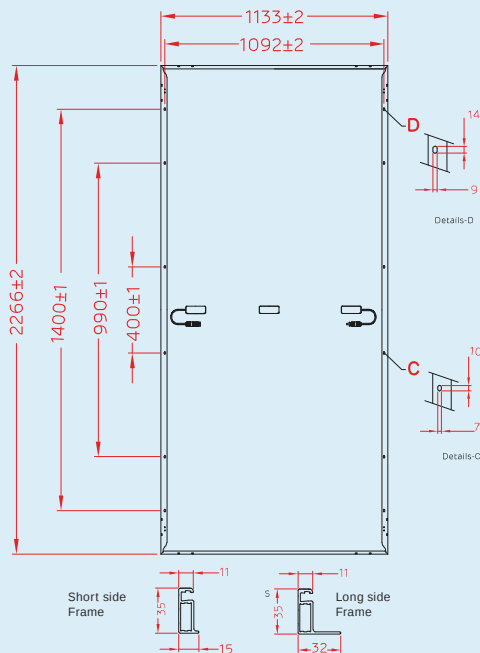


Excellent PID resistance

Warranty based on Power



Dimensions in mm

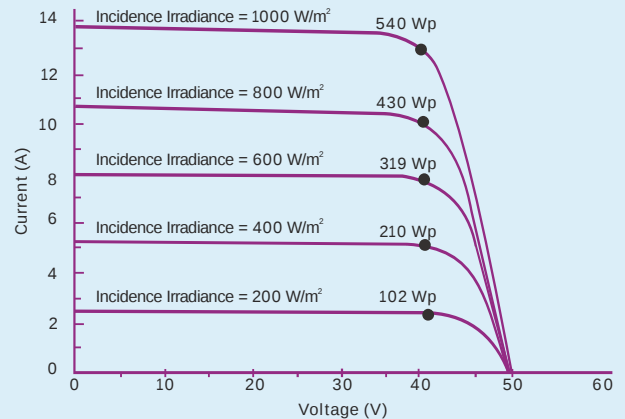


Technical Data

Multi irradiance curve

Monofacial M10-144 HC Cell Module

Cell temp: 25°C



Electrical data – All data measured to STC*

Electrical Specification	Only front (STC)					
Peak power, (0 ~ 4.99 Wp)						
Pmax(Wp)	520	525	530	535	540	545
Maximum voltage, Vmpp (V)	41.18	41.34	41.49	41.64	41.80	41.94
Maximum current, Imp (A)	12.65	12.72	12.79	12.86	12.93	13.01
Open circuit voltage, Voc (V)	48.60	48.78	48.95	49.12	49.32	49.48
Short circuit current, Isc (A)	13.41	13.48	13.55	13.63	13.71	13.79
Module efficiency (%)	20.25	20.44	20.64	20.83	21.03	21.22

*STC: Irradiance 1000 W/m², cell temperature 25°C, Air mass AM 1.5 according to EN 60904-3. Average efficiency reduction is approx. 3% at 200 W/m² according to EN 60904-1. Expect Pmp, all other parameter have tolerance of +/-3%, measurement uncertainty <3%.

Electrical Characteristics at NOCT**

Electrical Specification	Pmax gain from rear side*					
Pmax(Wp)-NOCT	390	393	397	401	405	408
Maximum voltage, Vmpp (V)	38.39	38.54	38.68	38.82	38.98	39.10
Maximum current, Imp (A)	10.16	10.22	10.27	10.33	10.38	10.46
Open circuit voltage, Voc (V)	45.43	45.76	45.92	46.09	46.28	46.42
Short circuit current, Isc (A)	10.90	10.96	11.02	11.08	11.13	11.22

**NOCT irradiance 800 W/m², ambient temperature 20°C, wind speed 1 m/sec
All parameter have a tolerance of +/-3 %, measurement uncertainty <3 %

Packaging Configuration

Container	40'HC
Pallets / Container	20
Pieces / Container	620

Note:

- The specifications included in this datasheet are subject to change without notice.
- The electrical data given here is for reference purpose only.
- Please confirm your exact requirements with the sales representative while placing your order.

*Caution:

Please read safety and installation instructions before using the product.

Temperature co-efficients (Tc) and permissible operating conditions

Tc of open circuit voltage (β)	-0.28% /°C
Tc of short circuit current (α)	0.048% /°C
Tc of power (γ)	-0.37% /°C
Maximum system voltage	1500 V (IEC & UL)
NOCT	45°C ± 2°C
Temperature range	-40°C to + 85°C

Mechanical data

Length	2266 mm
Width	1133 mm
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Weight	28.0 kg
Junction box	IP68; Junction box
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Substrate	White Backsheet
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Warranty and certifications

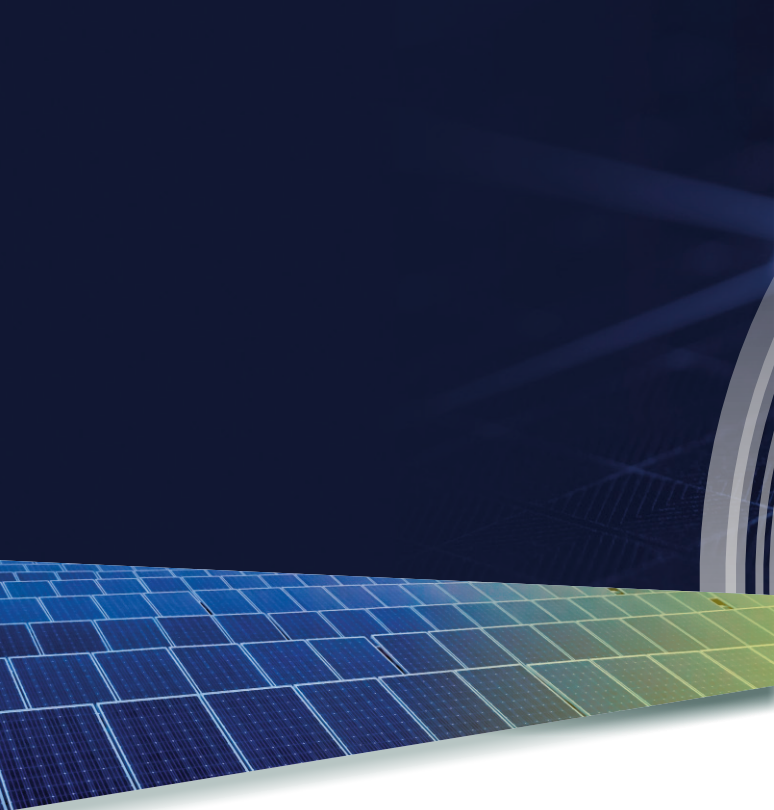
Product warranty** 12 years of product warranty

Performance warranty** Power degradation <2.0% in first year and <0.55% / year in 2-25 years

Approvals and certificates :

IEC 61215, IEC 61730, UL 61215, UL 61730, BIS, IEC 61853-1, IEC 62782, IEC 61701, IEC 61853-2
IEC 60068-2-68, IEC 62716



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Manufacturing Unit

Mundra Solar PV Ltd.

Revenue Survey No: 180/P

City: Kutch Taluka: Mundra, Village: Tunda,

Post Office: Bidada; Pin: 370421