



BAJAJ POWER

Be powered

INDIA'S

PREMIUM QUALITY
SOLAR MANUFACTURER

600MW

MODULE CAPACITY

2 GW

SCALING UP TO

23.6%

MAX EFFICIENCY



N-TOPCon Bifacial Glass To Glass Module

2382x1134x30

Dimensions (mm)

132CELL 610Wp-640Wp

Mono TOPCon

Power output

1500 VDC

Max. system voltage

23.60%

Max. efficiency



KEY FEATURES



Higher Power Output

Module power increases by 5-25% generally, bringing significantly lower LCOE and higher IRR. 0-5w positive tolerance output warranty.



Optimal Choice for Ultra-large Power Plants

Contribute to Lower BOS cost and LCOE.



ZERO LID

N-Type cell is characterized by "0" LID, which generates more power.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and material control.



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD. Lower temperature coefficient and operating temperature.



More Outstanding Low-light Performance

Higher power output even under low-light environments like on cloudy days



Enhanced Mechanical Load

Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).



EL Full Inspection

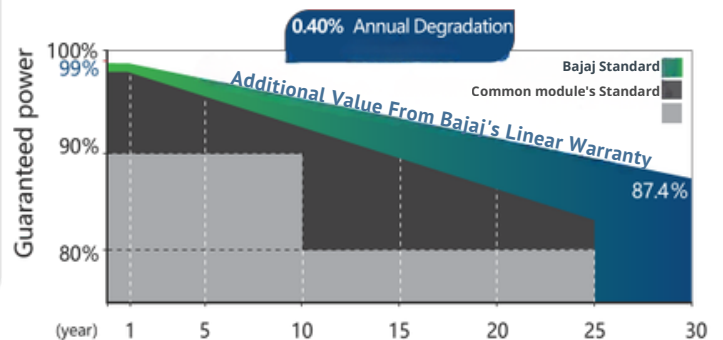
100% EL Inspection.

Comprehensive Products and System Certificates

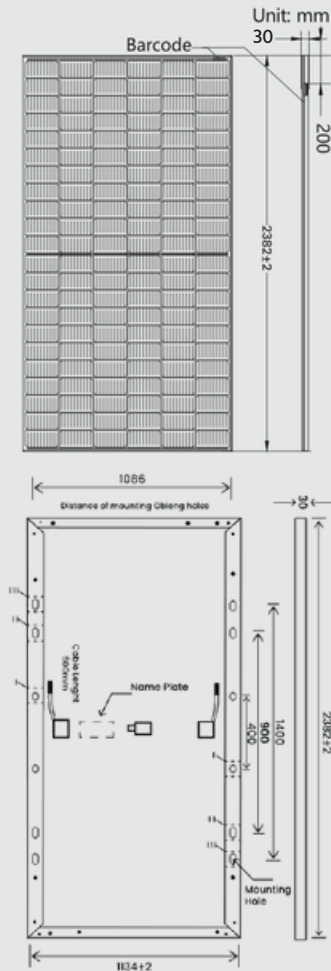
IEC61215/IEC61730/IEC61701/IS14286/IEC61853-1/IEC62804-1
 ISO 9001: Quality Management System
 ISO 14001: Environmental Management System
 ISO 27001: Information Security Management System
 GMP-Good Manufacturing Practices
 ISO 14064: Greenhouse Gases Emissions Verification
 OHSAS 18001: Occupational Health and Safety Management System

LINEAR PERFORMANCE WARRANTY

12-year product warranty / 30-year linear power warrant



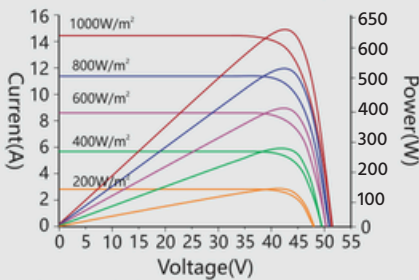
Dimensions of PV Module



610Wp-640Wp

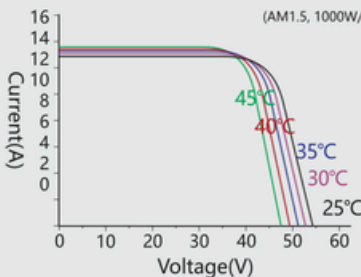
I-V characteristics at different irradiances

Cells temp.=25°C



I-V characteristics at different temperatures

(AM1.5, 1000W/m²)



ELECTRICAL CHARACTERISTICS (STC*)

Rated Power in Watts-Pmax(Wp)	BPS132P610	BPS132P615	BPS132P620	BPS132P625	BPS132P630	BPS132P635	BPS132P640
Open Circuit Voltage-Voc(V)	49.00	49.30	49.60 15.94	49.90 15.98	50.20	50.50	50.80
Short Circuit Current-Isc(A)	15.86	15.90	41.20 15.05	41.40 15.15	16.02	16.06	16.10
Max. Power Voltage-Vmpp(V)	40.80	41.00	23.00	23.20	41.60	41.80	42.00
Max. Power Current-Impp(A)	14.96	15.00			15.20	15.25	15.30
Module Efficiency(%)	22.60	22.80			23.40	23.60	23.80
Maximum system voltage				1500 vdc			
Fuse Rating(A)				35A			
Temperature coefficient Pmax				-0.29%/C			
Temperature coefficient Isc				+0.043%/C			
Temperature coefficient Voc				-0.24%/C			
Refer. Bifacial Factor				80%+-5%			

*STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

WORKING CHARACTERISTICS (NOCT*)

Rated Power in Watts-Pmax(Wp)	466	470	473	476	479	482	485
Open Circuit Voltage-Voc(V)	46.50	46.80	47.10	47.40	47.70	48.00	48.30
Short Circuit Current-Isc(A)	12.78	12.81	12.84	12.87	12.90	12.93	12.96
Max. Power Voltage-Vmpp(V)	38.30	38.50	38.70	38.90	39.10	39.30	39.50
Max. Power Current-Impp(A)	12.16	12.21	12.23	12.24	12.26	12.28	12.30
Power tolerance				0~+3%			
NOCT				43°C+2°C			
Operating Temperature				-40°C~-85°C			

*NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Electrical characteristics with different rear side power gain

Pmax gain	10%	15%	20%	25%	30%	35%	40%
Pmax /W	677	707	732	763	793	823	853
Vmpp /V	41.00	41.00	41.00	41.00	41.00	41.00	41.00
Impp /A	16.50	17.25	18.00	18.75	19.50	20.25	21.00
Voc /V	49.30	49.30	49.30	49.30	49.30	49.30	49.30
Isc /a	17.49	18.29	19.08	19.88	20.68	21.48	22.28

The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

MECHANICAL CHARACTERISTICS

Number of cells	132pcs	Type of frame	Anodized Aluminum Alloy
Size of cell(mm)	182.2 X 105	Size of module(mm)	2382x1134x30
Type of cell	N-TOPCon Mono	Weight(kg)	34.5
Thickness of glass(mm)	2.0	Cables/connectors	4.0mm², MC4 compatible
Junction box	IP68	Length of Cabel	+300mm/-300mm(connector included)

PACKAGING CONFIGURATION

Height of Modules (mm)	35	30
Number of Modules Per Pallet	31	36
Packaging Box Dimensions (l×w×h) (mm)	2300×1120×1260	2300×1120×1260
Box Gross Weight (kg)	1084	1210
Number of Modules Per 40ft (HQ) Container	620	720
Number of Pallets Per 40ft (HQ) Container	20	20

Caution:Please read safety and installation instructions before using the product

*Warranty:As per Product warranty. Disclaimer: Bajaj Power Solar reserves the right to make any adjustment to the information described here. Dataset contained in this specification do not from a representative of a single module data. @T&C Apply.

N-TOPCon Bifacial Monocrystalline Module

2279x1134x30

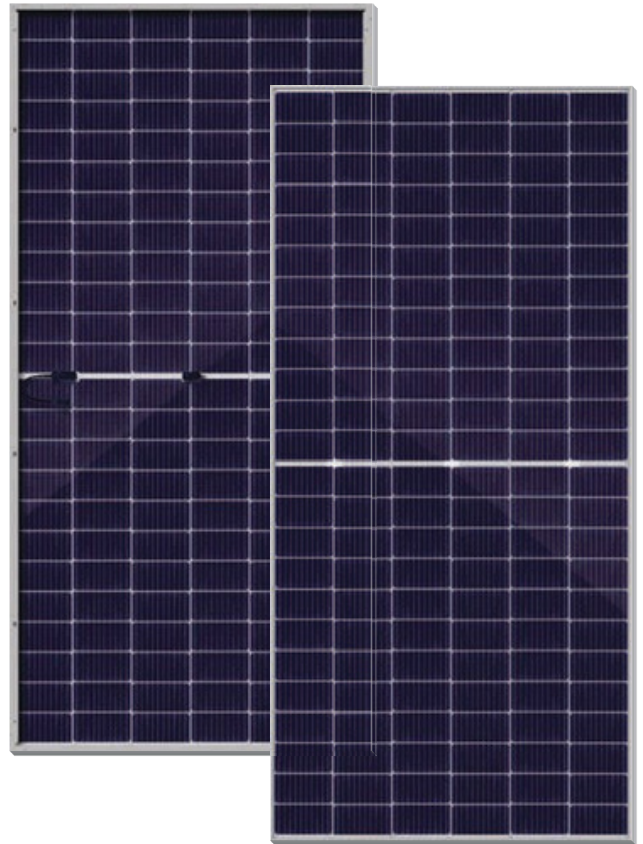
Dimensions (mm)

144 CELL 570-600Wp




Mono TOPCon Power output

1500 VDC 22.83%

Max. system voltage Max. efficiency



KEY FEATURES

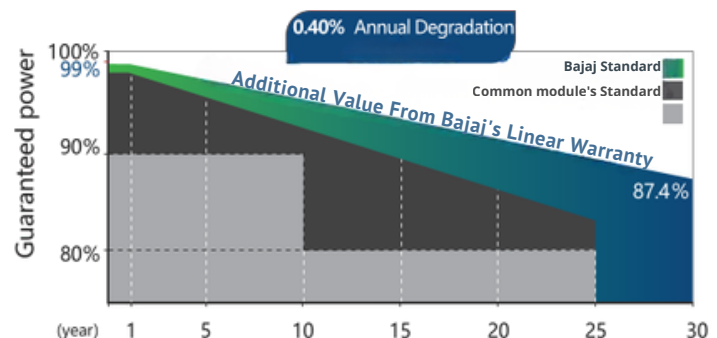
- 
Higher Power Output
 Module power increases by 5-25% generally, bringing significantly lower LCOE and higher IRR. 0-5w positive tolerance output warranty.
- 
Optimal Choice for Ultra-large Power Plants
 Contribute to Lower BOS cost and LCOE.
- 
ZERO LID
 N-Type cell is characterized by "0" LID, which generates more power.
- 
PID Resistance
 Excellent Anti-PID performance guarantee via optimized mass-production process and material control.
- 
Durability Against Extreme Environmental Conditions
 High salt mist and ammonia resistance certified by TUV NORD. Lower temperature coefficient and operating temperature.
- 
More Outstanding Low-light Performance
 Higher power output even under low-light environments like on cloudy days
- 
Enhanced Mechanical Load
 Certified to withstand: wind load (2400 Pa) and snow load (5400 Pa).
- 
EL Full Inspection
 100% EL Inspection.

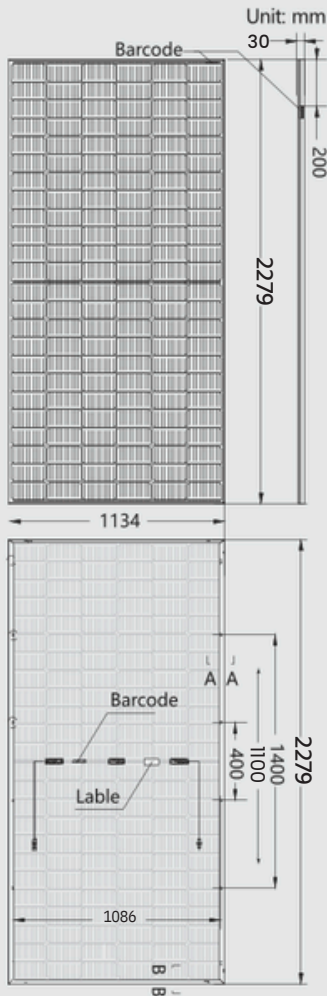
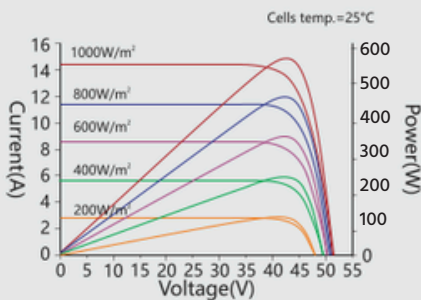
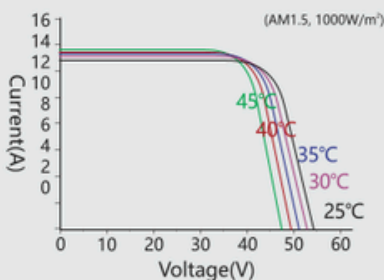
Comprehensive Products and System Certificates

- IEC61215/IEC61730/IEC61701/IS14286/IEC61853-1/IEC62804-1
- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System
- ISO 27001: Information Security Management System
- GMP-Good Manufacturing Practices
- ISO 14064: Greenhouse Gases Emissions Verification
- OHSAS 18001: Occupational Health and Safety Management System

LINEAR PERFORMANCE WARRANTY

12-year product warranty / 30-year linear power warrant



Dimensions of PV Module

570Wp-600Wp
I-V characteristics at different irradiances

I-V characteristics at different temperatures

ELECTRICAL CHARACTERISTICS (STC*)

Rated Power in Watts-Pmax(Wp)	BPS144T570	BPS144T575	BPS144T580	BPS144T585	BPS144T590	BPS144T600
Open Circuit Voltage-Voc(V)	51.07	51.27 14.31	51.47	51.67	51.87	52.27
Short Circuit Current-Isc(A)	14.25	42.44 13.55	14.37	14.43	14.49	14.61
Max. Power Voltage-Vmpp(V)	42.29	22.25	42.59	42.74	42.89	43.19
Max. Power Current-Impp(A)	13.48		13.62	13.69	13.76	13.90
Module Efficiency(%)	22.06		22.44	22.64	22.83	23.26
Maximum system voltage	1500 vdc					
Fuse Rating(A)	30					
Temperature coefficient Pmax	-0.3561%/ C					
Temperature coefficient Isc	0.0547%/ C					
Temperature coefficient Voc	-0.2853%/ C					
Refer. Bifacial Factor	80+5%					

*STC: Irradiance 1000W/m², module temperature 25°C, AM=1.5

WORKING CHARACTERISTICS (NOCT*)

Rated Power in Watts-Pmax(Wp)	428	431	435	439	443	452
Open Circuit Voltage-Voc(V)	48.52	48.71	48.90	49.09	49.28	49.65
Short Circuit Current-Isc(A)	11.40	11.45	11.50	11.54	11.59	11.80
Max. Power Voltage-Vmpp(V)	39.33	39.47	39.61	39.75	39.89	40.30
Max. Power Current-Impp(A)	10.78	10.84	10.90	10.95	11.01	11.18
Power tolerance	0~+3%					
NOCT	45°C±2°C					
Operating Temperature	-40°C~85°C					

*NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s

Electrical characteristics with different rear side power gain

5%	Pmax(Wp)	599	604	609	614	620	632
	Efficiency(%)	22.75	22.55	22.35	22.14	21.94	24.37
15%	Pmax(Wp)	656	661	667	673	679	691
	Efficiency(%)	24.92	24.70	24.47	24.25	24.03	24.37
25%	Pmax(Wp)	713	719	725	731	738	752
	Efficiency(%)	27.09	26.84	26.60	26.36	26.12	29.02

The additional gain from the rear side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tilt angle etc.) and albedo of the ground.

MECHANICAL CHARACTERISTICS

Number of cells	144pcs	Type of frame	Anodized Aluminum Alloy
Size of cell(mm)	182.2 x 91/91.8	Size of module(mm)	2279×1134×30
Type of cell	N-TOPCon Mono	Weight(kg)	33
Thickness of glass(mm)	2.0	Cables/connectors	4.0mm ² , MC4 compatible
Junction box	IP68	Length of Cabel	+300mm/-300mm(connector included)

PACKAGING CONFIGURATION

Height of Modules (mm)	35	30
Number of Modules Per Pallet	31	36
Packaging Box Dimensions (l×w×h) (mm)	2300×1120×1260	2300×1120×1260
Box Gross Weight (kg)	1084	1210
Number of Modules Per 40ft (HQ) Container	620	720
Number of Pallets Per 40ft (HQ) Container	20	20

Caution: Please read safety and installation instructions before using the product

*Warranty: As per Product warranty. Disclaimer: Bajaj PowerSolar reserves the right to make any adjustment to the information described here. Dataset contained in this specification do not from a representative of a single module data. @T&C Apply.



PRODUCT BY
BAJAJ POWER PROJECTS PVT. LTD.

 **Manufacturing Unit :**

Chinhat Deva Road Lucknow – 226028
Uttar Pradesh, India.