

**2095x1133x35**

Module dimensions (mm)

**182x91**

Cell size (mm)

**132 CELL**

N-TOPCon | Mono PERC module

**510-530Wp**

Power output

**1500V DC**

Max. system voltage

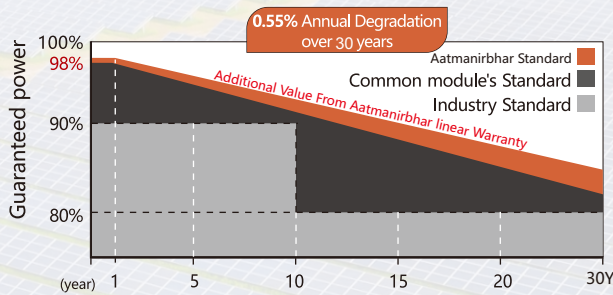
**22.32%**

Max. efficiency

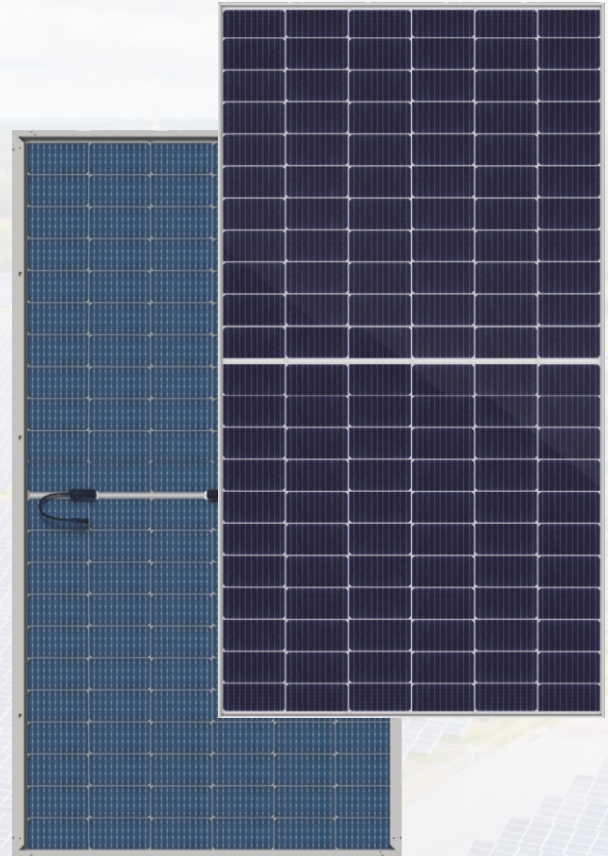
## Quality Guarantee

12-Years Material & technology warranty

30- Years Linear power output warranty



- ▶ Aatmanirbhar solar Liner power Output Guarantee
- ▶ Standard Liner Power Output Guarantee



## 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.



### 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.



### Optimal Choice for Ultra-large Power Plants

Contribute to Lower BOS cost and LCOE.



### Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance, 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

Three stage 100% EL Inspection warranting defect-free product.

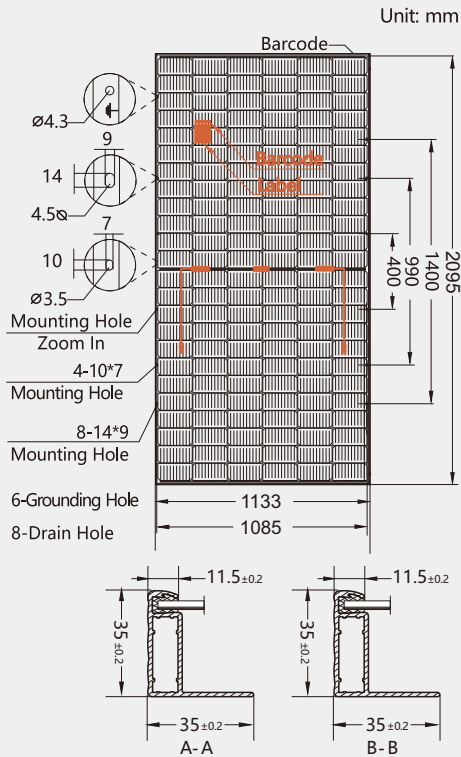
**Reg. Office:**

304 - Vraj Valencia, B/H, Mahindra Show Room,  
S.G. Hwy, Sola, Ahmedabad, Gujarat 380060

**Factory Address :**

Survey No: 192, At Dudhathal Village, Taluko-Kapadvanj,  
Dist.Kheda, Pin 387 620, Gujarat, India.

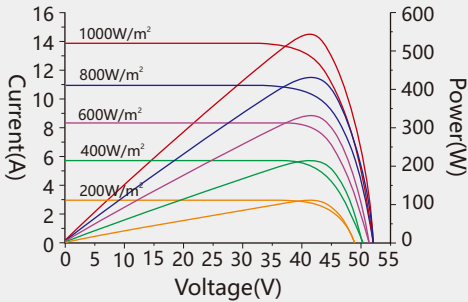
## Dimensions of PV Module



## ASPL-530W-182MP132

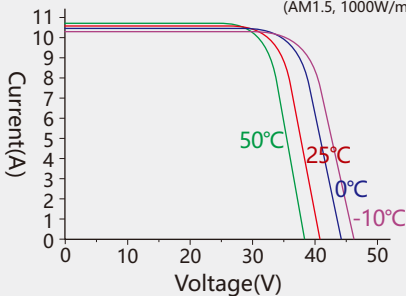
### I-V characteristics at different irradiances

Cells temp.=25°C



### I-V characteristics at different temperatures

(AM1.5, 1000W/m²)



## ELECTRICAL DATA(STC)

Model Number	ASPL-510W-182M/132	ASPL-515W-182M/132	ASPL-520W-182M/132	ASPL-525W-182M/132	ASPL-530W-182M/132
Rated Power in Watts-Pmax(Wp)	510	515	520	525	530
Open Circuit Voltage-Voc(V)	46.75	46.92	47.08	47.24	47.39
Short Circuit Current-Isc(A)	13.98	14.05	14.12	14.19	14.24
Max. Power Voltage-Vmpp(V)	38.43	38.61	38.78	38.95	39.15
Max. Power Current-Imp(A)	13.27	13.34	13.41	13.48	13.54
Module Efficiency(%)	21.3	21.5	21.68	21.84	22.1

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM 1.5,  
NOCT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### Electrical characteristics with different rear side power gain (reference to 550Wp front)

Bifacial Gain *	Pmax/W	STC%	Pmax/w	Pmax/W	STC%	STC%
5%	638	22.36	587	536	24.05	26.62
	644	22.57	592	541	24.72	26.87
15%	650	22.76	598	546	24.93	27.1
	656	23	604	551	25.2	27.4
20%	662	23.2	609	556	25.41	27.62

## MECHANICAL DATA

Solar Cells	N-TOPCon   Monocrystalline
Cell Size	182mm×91mm
Cell Configuration	132 cells (6×11+6×12)
Module Dimensions	2095 x 1133×35mm
Weight	26.3kg
Glass	High Transmission, Low Iron, Tempered ARC Glass 3.2mm
Back Sheet	White
Frame	Anodized Aluminium Alloy type 6005 T6, Silver/Black Color
J-box	IP68, 1500V DC, 3 Diodes
Cables	4.0mm <sup>2</sup> , (+) 300mm, (-) 300mm ( Connector Included )
Connector	MC4-compatible

## TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C ± 2°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.29%/°C
Operational Temperature	-40°C ~ +85°C
Max. System Voltage	1500V DC
Max. Series Fuse Rating	25A

## PACKAGING CONFIGURATION

	40ft(HQ)
Number of Modules Per Container	620
Number of Modules Per Pallet	31
Number of Pallets Per Container	20
Packaging Box Dimensions (l×w×h) (mm)	2115×1120×1260
Box Gross Weight (kg)	885

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT