

2095x1133x35

Module dimensions (mm)

182x91

Cell size (mm)

132 CELL

N-TOPCon | Mono PERC module

510-530Wp

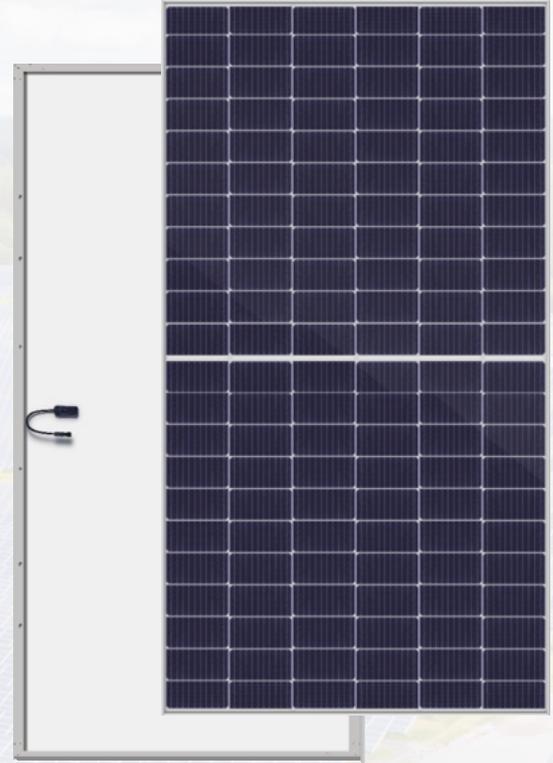
Power output

1500V DC

Max. system voltage

22.32%

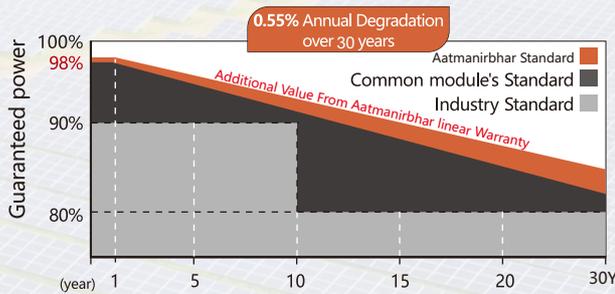
Max. efficiency



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.

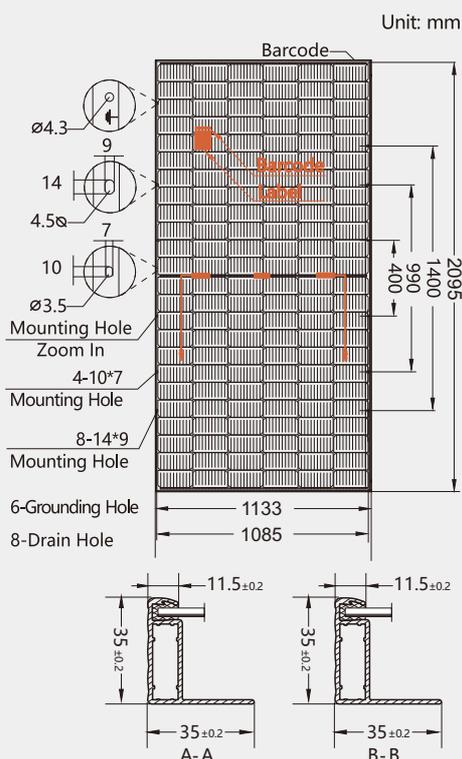
Reg. Office:

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.

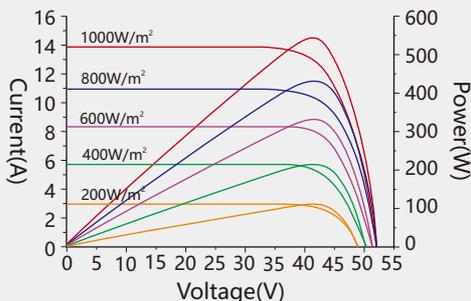
Dimensions of PV Module



ASPL-530W-182MP132

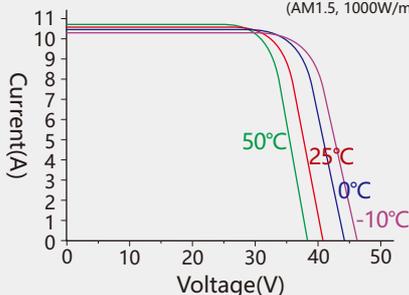
I-V characteristics at different irradiances

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/m², Cell Temperature 25°C, Air Mass AM 1.5,
NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

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 ² , (+) 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