

2278x1133x35

Module Dimensions (mm)

182x91

Cell Size (mm)

144 Cell

Mono TOPCon Module

560-580Wp

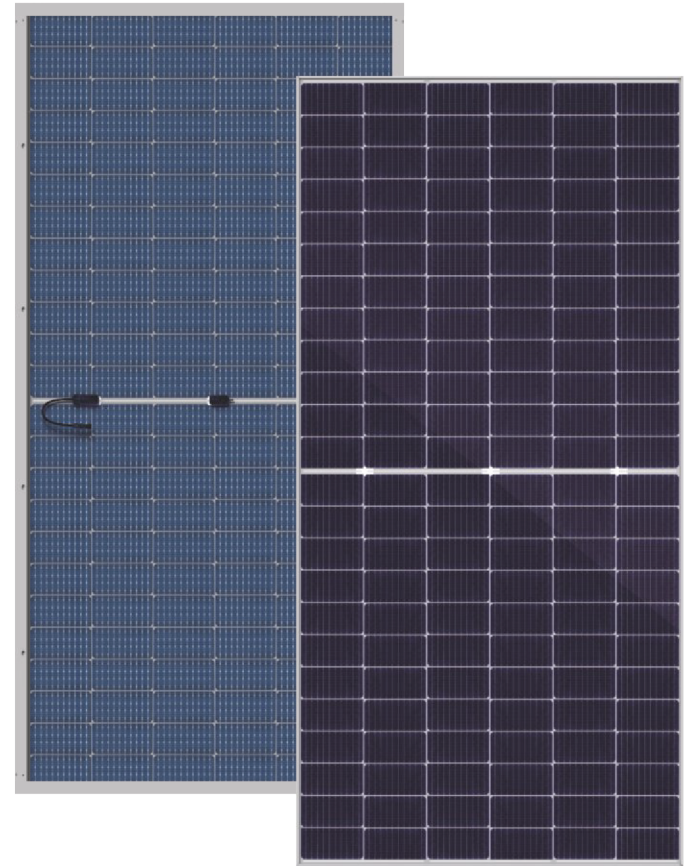
Power Output

1500V DC

Max. System Voltage

22.44 %

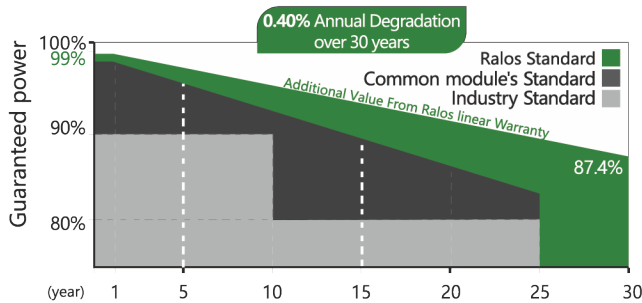
Max. Efficiency



Quality Guarantee

12-Years material & technology warranty

30- Years linear power output warranty



- ▶ Ralos 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.

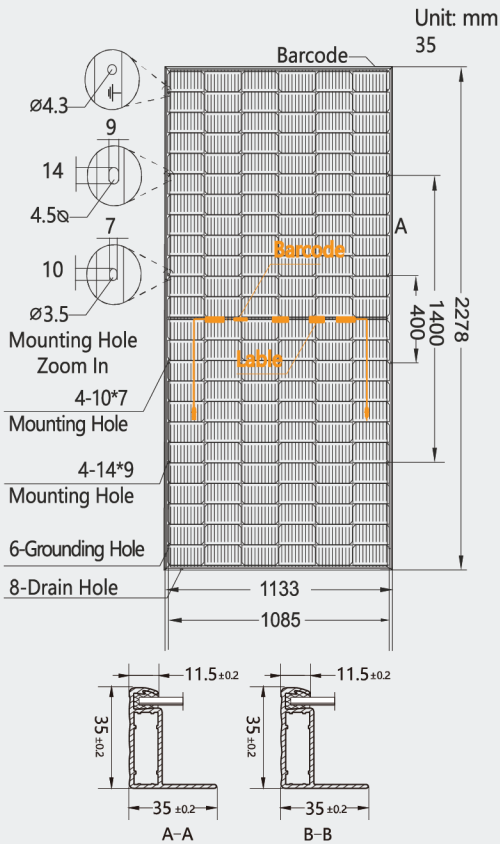
Reg. Office:

904, Mauryansh Elnza, Besides Parekh's Hospital, Shyamal Cross Road, Satellite, Ahmedabad - 380015, Gujarat, INDIA.

Factory Address :

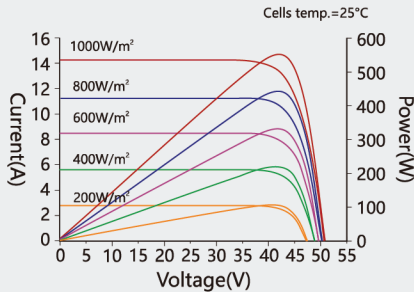
Survey No: 192, At Dudhathal Village, Taluko-Kapadvanj, Dist.Kheda, Pin 387 620, Gujarat, India.

Dimensions of PV Module

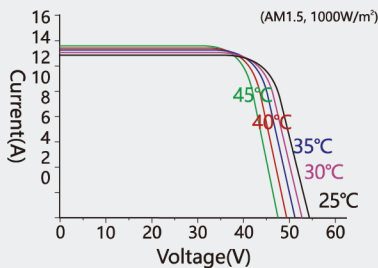


ASPL-580W-182MP/144TB

I-V characteristics at different irradiances



I-V characteristics at different temperatures



ELECTRICAL CHARACTERISTICS (STC*)

Model Number	ASPL-560W-182M/144TB	ASPL-565W-182M/144TB	ASPL-570W-182M/144TB	ASPL-575W-182M/144TB	ASPL-580W-182M/144TB
Rated Power in Watts-Pmax(Wp)	560	565	570	575	580
Open Circuit Voltage-Voc(V)	50.67	50.87	51.07	51.27	51.47
Short Circuit Current-Isc(A)	14.13	14.19	14.25	14.31	14.37
Max. Power Voltage-Vmpp(V)	41.95	42.14	42.29	42.44	42.59
Max. Power Current-Impp(A)	13.35	13.41	13.48	13.55	13.62
Module Efficiency(%)	21.67	21.86	22.06	22.25	22.44
Maximum system voltage	1500V DC				
Fuse Rating(A)	30				
Temperature coefficient Pmax	-0.29%/°C				
Temperature coefficient Isc	0.045%/°C				
Temperature coefficient Voc	-0.25%/°C				
Refer. Bifacial Factor	80±5%				

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

Electrical characteristics with different rear side power gain

Power Gain (%)	Pmax(Wp)	Efficiency(%)	560W	565W	570W	575W	580W
5%	Pmax(Wp)	Efficiency(%)	588	593	599	604	609
			22.77	22.97	23.17	23.37	23.57
15%	Pmax(Wp)	Efficiency(%)	644	650	656	661	667
			24.93	25.15	25.37	25.60	25.82
25%	Pmax(Wp)	Efficiency(%)	700	706	713	719	725
			27.10	27.34	27.58	27.82	28.07

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.

WORKING CHARACTERISTICS (NOCT*)

Model Number	ASPL-560W-182M/144TB	ASPL-565W-182M/144TB	ASPL-570W-182M/144TB	ASPL-575W-182M/144TB	ASPL-580W-182M/144TB
Rated Power in Watts-Pmax(Wp)	421	425	429	432	436
Open Circuit Voltage-Voc(V)	48.13	48.32	48.51	48.70	48.89
Short Circuit Current-Isc(A)	11.41	11.46	11.50	11.55	11.60
Max. Power Voltage-Vmpp(V)	39.39	39.52	39.65	39.78	39.87
Max. Power Current-Impp(A)	10.69	10.75	10.81	10.87	10.94
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

MECHANICAL CHARACTERISTICS

Number of cells	144pcs	Type of frame	Anodized Aluminum Alloy
Size of cell(mm)	182×91	Size of module(mm)	2278x1133x35
Type of cell	N-TOPCon Mono	Weight(kg)	34.0
Thickness of glass(mm)	2.0	Cables/connectors	4.0mm ² , MC4 compatible
Junction box	IP68	Length of Cable	+300mm/-300mm(connector included)

PACKAGING CONFIGURATION

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

CAUTION

Read safety and installation instructions before using the product.