

2382x1134x30 **182x105**

Module dimensions (mm) Cell size (mm)

132 CELL **600-630 Wp**

Mono TOPCon module Power output

1500V DC **23.33%**

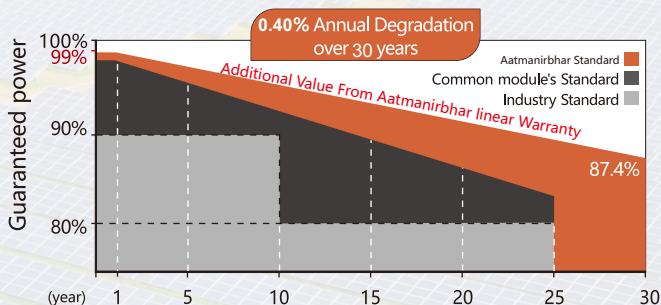
Max. system voltage Max. efficiency



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).

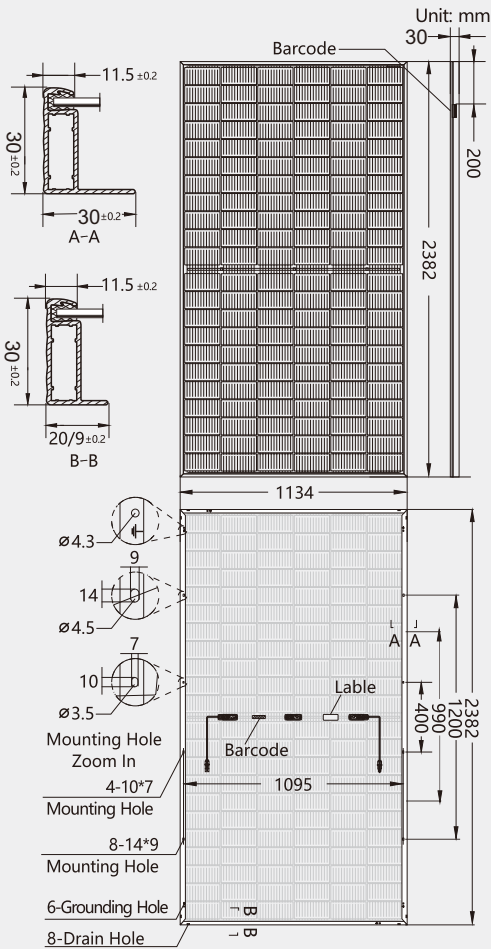


3 EL Full Inspection

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



Dimensions of PV Module

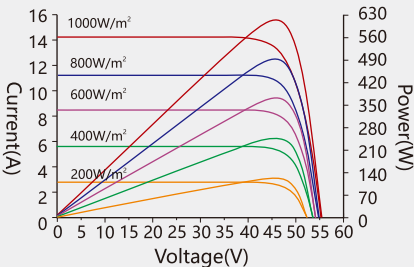


ASPL-66-G12R-630

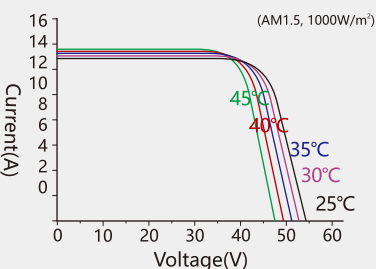
I-V characteristics at different irradiances

ASPL-66-G12R-630

I-V characteristics at different irradiances
Cells temp.=25°C



I-V characteristics at different temperatures



ELECTRICAL CHARACTERISTICS (STC*)

Model Number	ASPL-66-G12R-600	ASPL-66-G12R-605	ASPL-66-G12R-610	ASPL-66-G12R-615	ASPL-66-G12R-620	ASPL-66-G12R-625	ASPL-66-G12R-630
Rated Power in Watts-Pmax(Wp)	600	605	610	615	620	625	630
Open Circuit Voltage-Voc(V)	46.87	46.93	47.05	47.14	47.25	47.36	47.47
Short Circuit Current-Isc(A)	15.58	15.61	15.65	15.69	15.73	15.76	15.74
Max. Power Voltage-Vmpp(V)	40.25	40.43	40.57	40.65	40.73	40.83	40.92
Max. Power Current-Impp(A)	14.91	14.95	15.04	15.13	15.22	15.31	15.40
Module Efficiency(%)	22.22	22.40	22.59	22.77	22.96	23.14	23.33
Maximum system voltage	1500V DC						
Fuse Rating(A)	30						
Temperature coefficient Pmax	-0.30%/°C						
Temperature coefficient Isc	-0.46%/°C						
Temperature coefficient Voc	-0.25%/°C						
Refer. Bifacial Factor	$\phi_{Isc}=80\% \pm 10\%$, $\phi_{Voc}=100\% \pm 3\%$, $\phi_{Pmax}=80\% \pm 10\%$						

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

WORKING CHARACTERISTICS (NOCT*)

Model Number	ASPL-66-G12R-600	ASPL-66-G12R-605	ASPL-66-G12R-610	ASPL-66-G12R-615	ASPL-66-G12R-620	ASPL-66-G12R-625	ASPL-66-G12R-630
Rated Power in Watts-Pmax(Wp)	470.50	474.22	478.38	482.19	486.01	490.08	494.05
Open Circuit Voltage-Voc(V)	45.93	45.99	46.11	46.20	46.31	46.41	46.52
Short Circuit Current-Isc(A)	12.46	12.49	12.52	12.55	12.58	12.61	12.59
Max. Power Voltage-Vmpp(V)	39.45	39.65	39.76	39.84	39.92	40.01	40.10
Max. Power Current-Impp(A)	11.93	11.96	12.03	12.10	12.18	12.25	12.32
Power tolerance	0~+3%						
NOCT	45°C±2°C						
Operating Temperature	-40°C~85°C						

*NOCT: Irradiance 800W/m², ambient temperature 25°C, wind speed 1m/s

Electrical characteristics with different rear side power gain

Irradiance	Parameter	Rear Side Power Gain						
		ASPL-66-G12R-600	ASPL-66-G12R-605	ASPL-66-G12R-610	ASPL-66-G12R-615	ASPL-66-G12R-620	ASPL-66-G12R-625	ASPL-66-G12R-630
5%	Pmax(Wp)	630	635.25	640.5	645.75	651	656.25	661.5
	Efficiency(%)	23.33%	23.52%	23.72%	23.91%	24.11%	24.30%	24.50%
15%	Pmax(Wp)	690	595.75	701.5	707.25	713	718.75	724.5
	Efficiency(%)	25.55%	25.76%	25.98%	26.19%	26.40%	26.61%	26.83%
25%	Pmax(Wp)	750	756.25	762.5	768.75	775	781.25	787.5
	Efficiency(%)	27.78%	28.00%	28.24%	28.46%	28.70%	28.93%	29.16%

MECHANICAL CHARACTERISTICS

Number of cells	132pcs	Type of frame	Anodized Aluminum Alloy
Size of cell(mm)	182×105	Size of module(mm)	2382x1134x30
Type of cell	N-TOPCon Mono	Weight(kg)	33.0
Thickness of glass(mm)	2.0	Cables/connectors	4.0mm², MC4 compatible
Junction box	IP68	Length of Cabel	+300mm/-300mm (connector included)

PACKAGING CONFIGURATION

	40ft (HQ)	30MM
Number of Modules Per Container	720	
Number of Modules Per Pallet	36	
Number of Pallets Per Container	20	
Packaging Box Dimensions (l×w×h) (mm)	2400x1120x1260	
Box Gross Weight (kg)	1225	

CAUTION

Read safety and installation instructions before using the product.