

N-type TOPCon Mono

695-720W

AS695-720G12-132 Bifacial

Bifacial Half-Cell PV Module



N-TYPE TOPCON module could increase power generation by 3%+ per watt compared with PERC



HIGHER power output
Bifacial module back-side power increase 5-25%



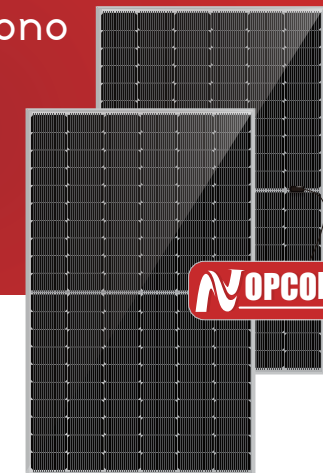
COMPATIBLE with mainstream trackers
effective product for utility power plant



Lower degradation rate, **BETTER** shading tolerance
First-year $\leq 1\%$, 2-30 year $\leq 0.4\%$



LOWER Temp. COEFFICIENT
More power generation under high-temperature



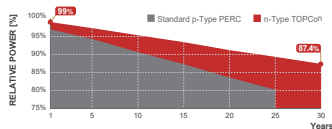
TOPCON

30 Year
Warranty for Extra Linear Power Output

15 Year
Warranty for Materials and Processing

0.4%
Annual degradation

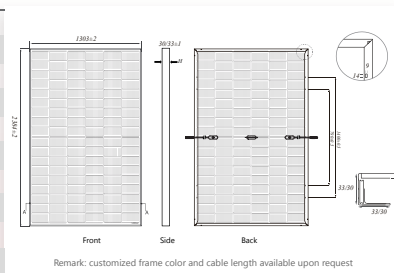
LINEAR PERFORMANCE WARRANTY



AS695-720G12-132 Bifacial Half-Cell PV Module

MECHANICAL SPECIFICATION

Cell	N-type TOPCon Mono
No. of cells	132(6x22)
Cable Length	300mm(+/-300mm(-))
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68
Connector	MC4 Compatible
Weight	38.3kgs±3%
Cells Type	Mono 210x91mm
Dimension(LxWxT)	2384±2mmx1303±2mmx33±1mm
Packaging	36pcs/pallet, 648pcs/40HQ (30mm) 33pcs/pallet, 594pcs/40HQ (33mm)



ELECTRICAL CHARACTERISTICS

STC:AM1.5 1000W/m² 25°C NOCT:AM1.5 800W/m² 20°C 1m/s Test uncertainty for Pmax ±3%

Module Type	AS695G12-132	AS700G12-132	AS705G12-132	AS710G12-132	AS715G12-132	AS720G12-132
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	695	521.7	700	526	705	530
Open Circuit Voltage(Voc/V)	46.92	44.20	48.60	46.17	48.77	46.33
Short Circuit Current(Isc/A)	18.54	15.12	18.35	14.82	18.40	14.86
Voltage at Maximum Power(Vmp/V)	39.80	37.30	40.35	37.55	40.52	37.73
Current at Maximum Power(Imp/A)	17.47	14.00	17.35	14.01	17.40	14.05
Module Efficiency(%)	22.37	22.37	22.70	22.90	23.00	23.02

ELECTRICAL CHARACTERISTICS

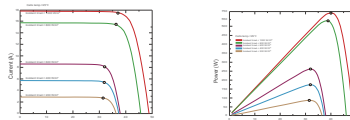
OPERATING PARAMETERS

5%	Maximum power (W)	730	735	740	745	750	756	Maximum System Voltage	1500VDC
	Module efficiency STC (%)	23.5%	23.7%	23.8%	24.0	24.1	24.3	Operating Temperature	-40℃ ~ +85℃
15%	Maximum power (Total)	799	805	810	816	822	828	Maximum Series Fuse	35A
	Module efficiency STC (%)	25.7%	25.9%	26.1%	26.3%	26.5%	26.7%	Maximum StaticLoad,Front	5400Pa(112lb/ft²)
25%	Maximum power (Total)	869	875	881	887	893	900	Maximum StaticLoad,Back	2400Pa(50lb/ft²)
	Module efficiency STC (%)	28.0%	28.2%	28.4%	28.6%	28.7%	29.0%	Safety Class	Class II

I-V CURVE(AS695-720G12-132)

OPERATING PARAMETERS

Normal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of Isc	+0.045%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Pmax	-0.29%/°C



*Specs are subject to change without further notification

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