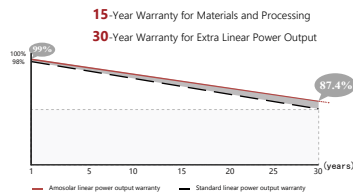


670~695W

AS670-695G12-132 Bifacial



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



LOWER DEGRADATION RATE
 First-year $\leq 1\%$, 2-30 year $\leq 0.4\%$



COMPATIBLE with mainstream trackers
 effective product for utility power plant



BETTER shading tolerance
 Excellent performance under dim light



LOWER Temp. COEFFICIENT
 More power generation under high-temperature

670-695W

Bifacial Half-Cell PV Module

Weight

38.5kgs $\pm 3\%$

Cells Type

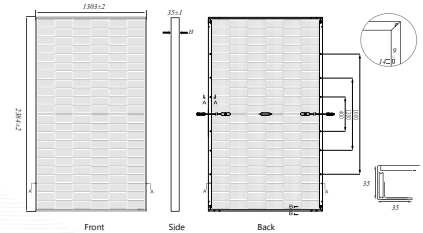
Mono 210x105mm

Dimension(LxWxT)

2384 ± 2 mmx1303 ± 2 mmx35 ± 1 mm

Packaging

31pcs/pallet, 558pcs/40HQ container



Remark: customized frame color and cable length available upon request

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	IP68,3 diodes
Connector	MC4 Compatible

OPERATING PARAMETERS

Maximum System Voltage	1500VDC
Operating Temperature	-40 C ~ +85 C
Maximum Series Fuse	30A
Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
Safety Class	Class II

ELECTRICAL CHARACTERISTICS

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

Module Type	AS670G12-132	AS675G12-132	AS680G12-132	AS685G12-132	AS690G12-132	AS695G12-132
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	670	502.7	675	506.5	680	510.3
Open Circuit Voltage(Voc/V)	46.32	43.20	46.44	43.40	46.56	43.60
Short Circuit Current(Isc/A)	18.34	14.96	18.38	14.99	18.42	15.03
Voltage at Maximum Power(Vmp/V)	38.80	36.30	39.00	36.50	39.20	36.70
Current at Maximum Power(Imp/A)	17.27	13.85	17.31	13.88	17.35	13.91
Module Efficiency(%)	21.57	21.73	21.89	22.05	22.21	22.37

ELECTRICAL CHARACTERISTICS SIDE POWER GAIN

	704	709	714	720	725	730
5% Maximum power (W)						
Module efficiency STC (%)	22.6%	22.8%	23.0%	23.2%	23.3%	23.5%
15% Maximum power (Total)	771	776	782	788	794	799
Module efficiency STC (%)	24.8%	25.0%	25.2%	25.4%	25.5%	25.7%
25% Maximum power (Total)	838	844	850	856	863	869
Module efficiency STC (%)	27.0%	27.2%	27.4%	27.6%	27.8%	28.0%

TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45 ± 2 C
Temperature Coefficient of Isc	+0.046%/ C
Temperature Coefficient of Voc	-0.25%/ C
Temperature Coefficient of Pmax	-0.30%/ C

*Specs are subject to change without further notification

I-V CURVE(AS670-695G12-132)

