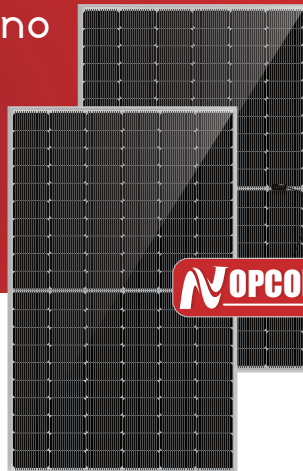


N-type TOPCon Mono

575-600W

AS575-600M10-144 Bifacial

Bifacial Half-Cell PV Module



TOPCON



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



30 Year

Warranty for Substrate
Power Output

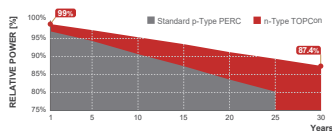
15 Year

Warranty for Materials
and Processing

0.4 %

Annual degradation

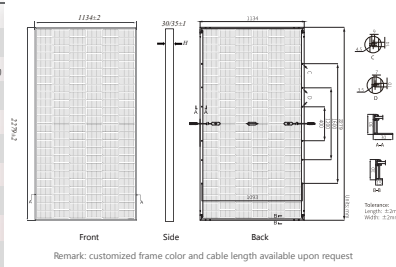
LINEAR PERFORMANCE WARRANTY



AS575-600M10-144 Bifacial Half-Cell PV Module

MECHANICAL SPECIFICATION

Cell	N-type TOPCon Mono
No. of cells	144(6x24)
Cable Length	$\pm 300\text{mm}/\pm 1200\text{mm}$ (length can be customized)
Cable Cross Section Size	4mm ² (IEC)
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible
Weight	32.3kg $\pm 3\%$
Cells Type	Mono 182x91mm
Dimension(LxWxT)	2279 $\pm 2\text{mm}$ x 1342 $\pm 2\text{mm}$ x 30 $\pm 1\text{mm}$
Packaging	36pcs/pallet, 720pcs/40HQ (30mm) 31pcs/pallet, 620pcs/40HQ (35mm)



Remark: customized frame color and cable length available upon request

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	AS575M10-144	AS580M10-144	AS585M10-144	AS590M10-144	AS595M10-144	AS600M10-144
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	575	433	580	437	585	441
Open Circuit Voltage(Voc/V)	52.93	48.34	53.05	48.48	53.17	48.62
Short Circuit Current(Isc/A)	13.72	11.61	13.78	11.67	13.84	11.73
Voltage at Maximum Power(Vmp/V)	43.66	39.64	43.86	39.77	44.06	39.90
Current at Maximum Power(Imp/A)	13.18	10.91	13.23	10.97	13.28	11.03
Module Efficiency(%)	22.25	22.44	22.64	22.83	23.02	23.21

ELECTRICAL CHARACTERISTICS

OPERATING PARAMETERS

5%	Maximum power (W)	604	609	614	619	625	630	Maximum System Voltage	1500VDC
	Module efficiency STC (%)	23.3%	23.6%	23.8%	24.0%	24.2%	24.4%	Operating Temperature	-40 °C ~ +85 °C
15%	Maximum power (Total)	661	667	673	679	684	690	Maximum Series Fuse	30A
	Module efficiency STC (%)	25.6%	25.9%	26.0%	26.2%	26.5%	26.7%	Maximum StaticLoad,Front	5400Pa(112lb/ft ²)
25%	Maximum power (Total)	719	725	731	738	744	750	Maximum StaticLoad,Back	2400Pa(50lb/ft ²)
	Module efficiency STC (%)	27.9%	28.1%	28.3%	28.6%	28.9%	29.0%	Safety Class	Class II

OPERATING PARAMETERS

Nominal Operating Cell Temperature(NOCT)	45 ± 2 °C
Temperature Coefficient of Isc	+0.045%/ °C
Temperature Coefficient of Voc	-0.23%/ °C
Temperature Coefficient of Pmax	-0.28%/ °C

*Specs are subject to change without further notification

I-V CURVE(AS575-600M10-144)

