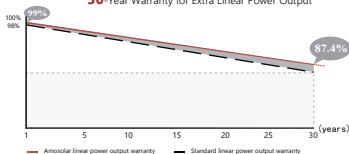


# 565~580W

AS565-580M10-144 Full Black

**15-Year Warranty for Materials and Processing**

**30-Year Warranty for Extra Linear Power Output**



**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

# 565-580W

Full Black High Efficiency PV Module

## Weight

28.6kgs±3%

## Cells Type

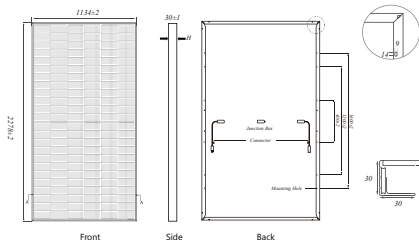
Mono 182x91mm

## Dimension(LxWxT)

2278±2mmx1134±2mmx30±1mm

## Packaging

36pcs/pallet, 720pcs/40HQ container



Remark: customized frame color and cable length available upon request

## MECHANICAL SPECIFICATION

Cell	N-type TOPCon Mono
No.of cells	144(6x24)
Cable Length	300mm(+)/300mm(-)
Cable Cross Section Size	4mm <sup>2</sup> (IEC)
Junction Box	IP68,3 diodes
Connector	MC4 Compatible

## OPERATING PARAMETERS

Maximum System Voltage	1500VDC
Operating Temperature	-40 C ~ +85 C
Maximum Series Fuse	25A
Maximum StaticLoad,Front	5400Pa(112lb/ft <sup>2</sup> )
Maximum StaticLoad,Back	2400Pa(50lb/ft <sup>2</sup> )
Safety Class	Class II

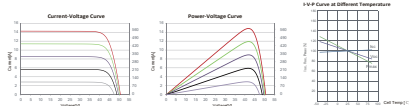
## ELECTRICAL CHARACTERISTICS

Module Type	AS565M10-144		AS570M10-144		AS575M10-144		AS580M10-144	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	565	425	570	429	575	433	580	437
Open Circuit Voltage(Voc/V)	50.60	48.06	50.74	48.20	50.88	48.34	51.02	48.48
Short Circuit Current(Isc/A)	14.23	11.49	14.31	11.55	14.39	11.61	14.47	11.67
Voltage at Maximum Power(Vmp/V)	41.92	39.38	42.01	39.51	42.22	39.64	42.37	39.77
Current at Maximum Power(Imp/A)	13.48	10.79	13.55	10.85	13.62	10.91	13.69	10.97
Module Efficiency(%)	21.87		22.07		22.26		22.45	

## TEMPERATURE RATINGS

Normal 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

## I-V CURVE(AS565-580M10-144)



\*Specs are subject to change without further notification

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