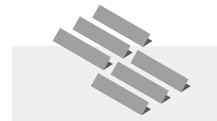


# YTM550-570N-72/D

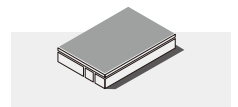
Adopting N-type TOPCon technology on M10 wafer, achieves high efficiency and ultra-low degradation, and perfectly matches mainstream system design and mature logistics scheme.

Advanced module technologies are adopted like multi-busbar, half cell, non-destructive cutting, and intelligent soldering.

Bifacial modules bring additional power generation gain to the system.



Utility



Commercial



**High Efficiency**



**Low LCOE**



**Low Degradation**



**Better Temperature Coefficients**

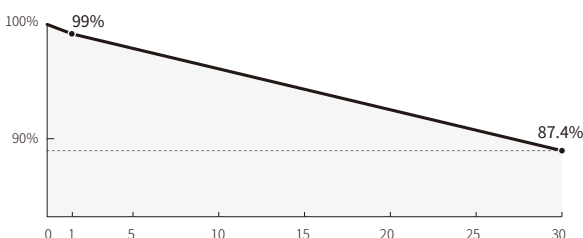
## Warranty

Product warranty 12 Years

1<sup>st</sup> year degradation  $\leq 1\%$

Linear power warranty 30 Years

Annual degradation  $\leq 0.40\%$



## Certificates

IEC 61215, IEC 61730

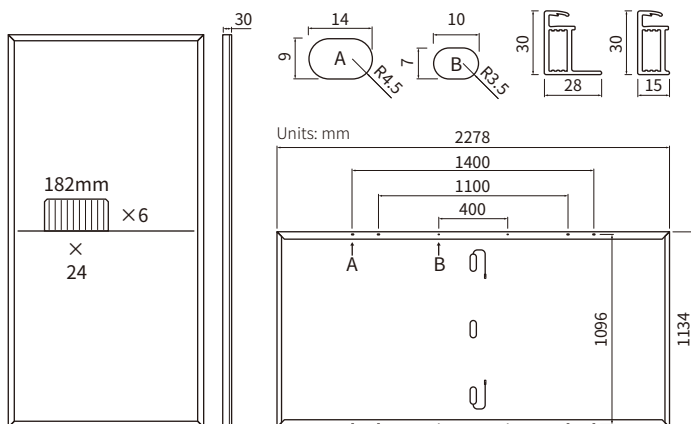
ISO 9001:2015 Quality management systems

ISO 14001:2015 Environmental management systems

ISO 45001:2018 Occupational health and safety management systems



# YTM550-570N-72/D



## Mechanical Parameters

Cell type	Mono TOPCon
No. of cells	144 (6*24)
Junction box	IP68, 3 diodes
Cable	4mm <sup>2</sup> ; 300mm(+)/400mm(-) or customized
Glass	Dual glass, 2.0mm/2.0mm
Frame	Anodized aluminum alloy frame
Weight	31.4kg ± 3%
Dimensions	2278mm x 1134mm x 30mm
Packaging	36 pcs/pallet, 720 pcs/40HQ container

## Electrical Parameters

STC: AM1.5 1000W/m<sup>2</sup> 25°C NMOT: AM1.5 800W/m<sup>2</sup> 20°C 1m/s

Module type	YTM550N-72/D		YTM555N-72/D		YTM560N-72/D		YTM565N-72/D		YTM570N-72/D	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated maximum power P <sub>max</sub> (W)	550	413	555	417	560	421	565	425	570	429
Open circuit voltage Voc (V)	50.28	47.74	50.48	47.93	50.68	48.14	50.88	48.33	51.08	48.52
Short circuit current I <sub>sc</sub> (A)	14.02	11.31	14.08	11.37	14.14	11.42	14.20	11.45	14.26	11.50
Maximum power voltage V <sub>mp</sub> (V)	41.55	39.11	41.73	39.27	41.92	39.38	42.11	39.54	42.26	39.65
Maximum power current I <sub>mp</sub> (A)	13.24	10.56	13.30	10.62	13.36	10.69	13.42	10.75	13.49	10.82
Module efficiency (%)	21.3		21.5		21.7		21.9		22.1	

Bifacial gain 10%	YTM550N-72/D		YTM555N-72/D		YTM560N-72/D		YTM565N-72/D		YTM570N-72/D	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated maximum power P <sub>max</sub> (W)	605		611		616		622		627	
Open circuit voltage Voc (V)	50.28		50.48		50.68		50.88		51.08	
Short circuit current I <sub>sc</sub> (A)	15.42		15.49		15.55		15.62		15.69	
Maximum power voltage V <sub>mp</sub> (V)	41.55		41.73		41.92		42.11		42.26	
Maximum power current I <sub>mp</sub> (A)	14.56		14.63		14.70		14.76		14.84	

## Temperature Coefficients

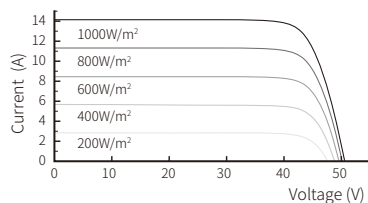
Temperature coefficient $\alpha_{Isc}$	+0.046%/°C
Temperature coefficient $\beta_{Voc}$	-0.250%/°C
Temperature coefficient $\gamma_{Pmax}$	-0.300%/°C

## Operating Conditions

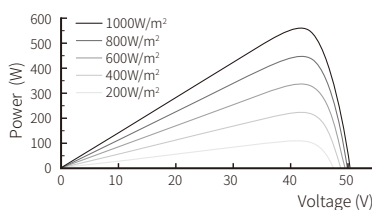
Operating temperature	-40°C~+70°C	Nominal operating cell temperature	45±2°C
P <sub>max</sub> , Voc, I <sub>sc</sub> tolerance	±3%	Front side Max. static test loading	5400 Pa
Power selection	0~+5W	Rear side Max. static test loading	2400 Pa
Maximum system voltage	1500V DC	Bifaciality	80±5%
Maximum series fuse rating	30A		

## Graphs (YTM560N-72/D)

Current - Voltage Curve



Power - Voltage Curve



Current - Voltage Curve

