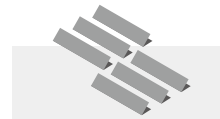


YTM560-580N-72/D

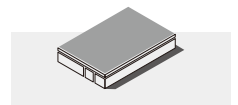
Adopting N-type TOPCon technology on M10 wafer, achieves high efficiency and ultra-low degradation, and perfectly matches mainstream system design and mature logistics scheme.

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

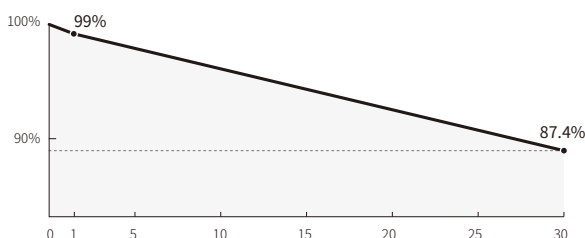
Warranty

Product warranty 12 Years

1st year degradation $\leq 1\%$

Linear power warranty 30 Years

Annual degradation $\leq 0.40\%$



Certificates

IEC 61215, IEC 61730

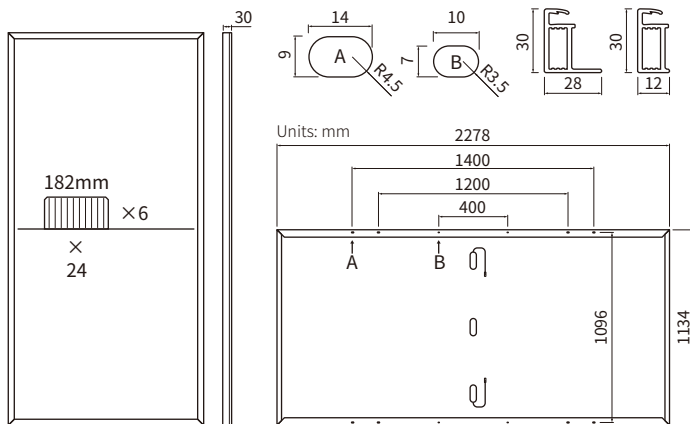
ISO 9001:2015 Quality management systems

ISO 14001:2015 Environmental management systems

ISO 45001:2018 Occupational health and safety management systems



YTM560-580N-72/D



Mechanical Parameters

Cell type	Mono TOPCon
No. of cells	144 (6*24)
Junction box	IP68, 3 diodes
Cable	4mm ² ; 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/m² 25°C NMOT: AM1.5 800W/m² 20°C 1m/s

Module type	YTM560N-72/D		YTM565N-72/D		YTM570N-72/D		YTM575N-72/D		YTM580N-72/D	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated maximum power P _{max} (W)	560	423	565	427	570	431	575	435	580	439
Open circuit voltage Voc (V)	51.30	48.60	51.50	48.80	51.70	49.00	51.90	49.20	52.10	49.40
Short circuit current I _{sc} (A)	13.70	11.04	13.76	11.09	13.82	11.14	13.88	11.18	13.94	11.22
Maximum power voltage V _{mp} (V)	43.20	39.80	43.40	40.00	43.60	40.20	43.80	40.40	44.00	40.60
Maximum power current I _{mp} (A)	12.96	10.64	13.02	10.68	13.08	10.72	13.13	10.77	13.19	10.82
Module efficiency (%)	21.7		21.9		22.1		22.3		22.5	

Bifacial gain 10%	YTM560N-72/D		YTM565N-72/D		YTM570N-72/D		YTM575N-72/D		YTM580N-72/D	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated maximum power P _{max} (W)	616		622		627		633		638	
Open circuit voltage Voc (V)	51.30		51.50		51.70		51.90		52.10	
Short circuit current I _{sc} (A)	15.07		15.14		15.20		15.27		15.33	
Maximum power voltage V _{mp} (V)	43.20		43.40		43.60		43.80		44.00	
Maximum power current I _{mp} (A)	14.26		14.32		14.39		14.44		14.51	

Temperature Coefficients

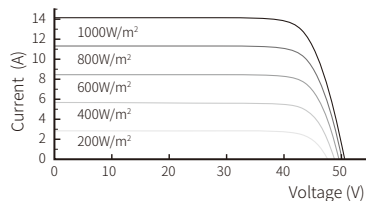
Temperature coefficient α_{Isc}	+0.046%/°C
Temperature coefficient β_{Voc}	-0.250%/°C
Temperature coefficient γ_{Pmax}	-0.300%/°C

Operating Conditions

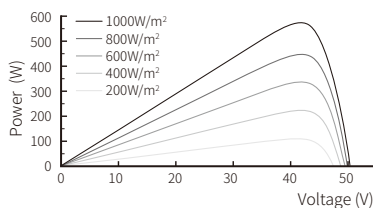
Operating temperature	-40°C~+70°C	Nominal operating cell temperature	45 ± 2°C
Tolerance of P _{max} and Voc	± 3%	Front side Max. static test loading	5400 Pa
Tolerance of I _{sc}	± 4%	Rear side Max. static test loading	2400 Pa
Maximum system voltage	1500V DC	Bifaciality	80 ± 5%
Maximum series fuse rating	30A	Power selection	0~+5W

Graphs (YTM575N-72/D)

Current - Voltage Curve



Power - Voltage Curve



Current - Voltage Curve

