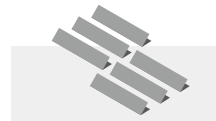


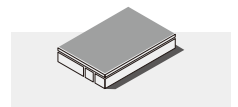
YTM535-555P-72/M

Adopting PERC technology on M10 wafer, perfectly matches the mainstream system design and mature logistics scheme.

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



Utility



Commercial



High Power Output



Low LCOE



Better Mechanical Performance



Long-term Reliability

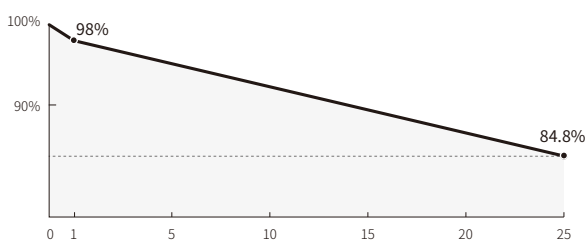
Warranty

Product warranty 12 Years

1st year degradation $\leq 2\%$

Linear power warranty 25 Years

Annual degradation $\leq 0.55\%$



Certificates

IEC 61215, IEC 61730

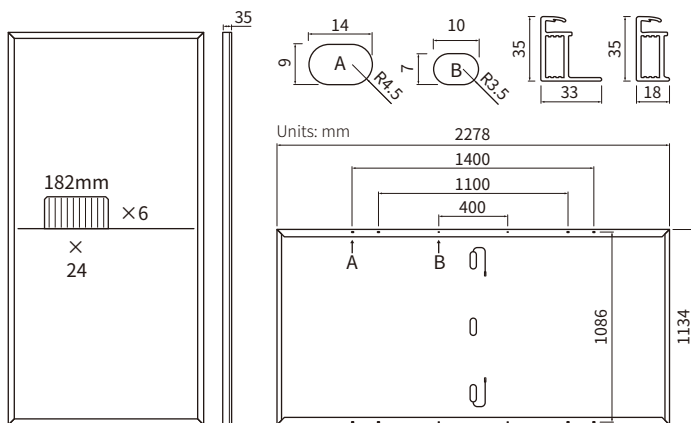
ISO 9001:2015 Quality management systems

ISO 14001:2015 Environmental management systems

ISO 45001:2018 Occupational health and safety management systems



YTM535-555P-72/M



Mechanical Parameters

Cell type	Mono PERC
No. of cells	144 (6*24)
Junction box	IP68, 3 diodes
Cable	4mm ² ; 300mm(+)/400mm(-) or customized
Glass	Single glass, 3.2mm
Frame	Anodized aluminum alloy frame
Weight	26.4kg±3%
Dimensions	2278mm x 1134mm x 35mm
Packaging	31 pcs/pallet, 620 pcs/40HQ container

Electrical Parameters

STC: AM1.5 1000W/m² 25°C NMOT: AM1.5 800W/m² 20°C 1m/s

Module type	YTM535P-72/M		YTM540P-72/M		YTM545P-72/M		YTM550P-72/M		YTM555P-72/M	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Rated maximum power P _{max} (W)	535	398	540	402	545	406	550	410	555	414
Open circuit voltage V _{oc} (V)	49.50	46.59	49.65	46.67	49.80	46.75	49.95	46.84	50.10	46.95
Short circuit current I _{sc} (A)	13.46	11.13	13.54	11.20	13.62	11.28	13.70	11.39	13.78	11.47
Maximum power voltage V _{mp} (V)	41.57	37.94	41.70	38.04	41.86	38.16	42.02	38.29	42.18	38.41
Maximum power current I _{mp} (A)	12.87	10.49	12.95	10.57	13.02	10.64	13.09	10.71	13.16	10.78
Module efficiency (%)	20.7		20.9		21.1		21.3		21.5	

Temperature Coefficients

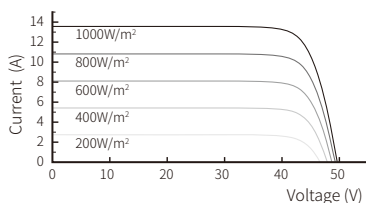
Temperature coefficient α_{Isc}	+0.045%/°C
Temperature coefficient β_{Voc}	-0.275%/°C
Temperature coefficient γ_{Pmax}	-0.350%/°C

Operating Conditions

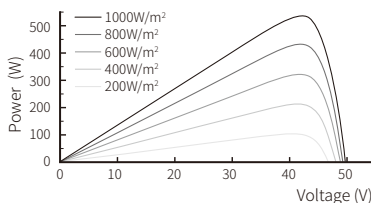
Operating temperature	-40°C~+70°C	Nominal operating cell temperature	45±2°C
P _{max} , V _{oc} , I _{sc} tolerance	±3%	Front side Max. static test loading	5400 Pa
Power selection	0~5W	Rear side Max. static test loading	2400 Pa
Maximum system voltage	1500V DC		
Maximum series fuse rating	25A		

Graphs (YTM540P-72/M)

Current - Voltage Curve



Power - Voltage Curve



Current - Voltage Curve

