

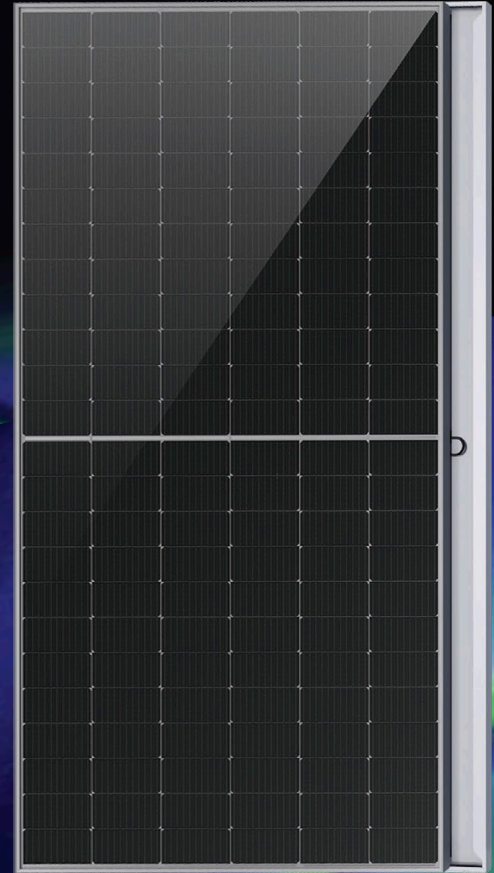


Monofacial Series



545~565W

HY-P10/72H



Module Efficiency up to 21.9%



SMBB + Half-cell tech, reduce internal current loss, improve module efficiency, minimize micro-crack impacts, and improve module reliability



Non-destructive Slicing Tech, reduce micro-crack risk



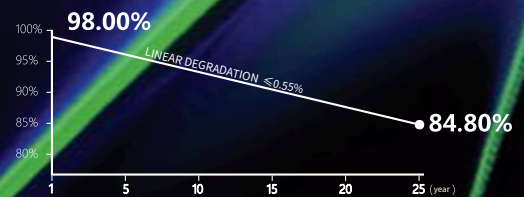
Resistant to harsh environments



Anti PID



More energy yield, lower BOS and LCOE



15-YEAR PRODUCT WORKMANSHIP WARRANTY

25-YEAR LINEAR POWER WARRANTY

Comprehensive Products and System 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



HOYUAN Green Energy Co.,Ltd.

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The product specifications are subject to change without prior notice.
Please use our latest version.

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Electrical performance parameters

*STC: Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

Rated output (Pmpp / Wp)	545	550	555	560	565
Rated voltage (Vmpp / V)	42.35	42.64	42.93	43.22	43.50
Rated current (Impp / A)	12.87	12.90	12.93	12.96	12.99
Open circuit voltage (Voc / V)	49.98	50.22	50.45	50.68	50.91
Short-circuit current (Isc / A)	13.66	13.70	13.73	13.76	13.79
Module efficiency	21.1%	21.3%	21.5%	21.7%	21.9%
Power tolerance	0~+5W				

NMOT: Irradiance 800W/m², Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

Rated output (Pmpp / Wp)	412.4	416.2	420.0	423.8	427.3
Rated voltage (Vmpp / V)	39.28	39.55	39.82	40.09	40.35
Rated current (Impp / A)	10.50	10.52	10.55	10.57	10.59
Open circuit voltage (Voc / V)	47.18	47.40	47.62	47.85	48.07
Short-circuit current (Isc / A)	10.94	10.97	10.99	11.02	11.04

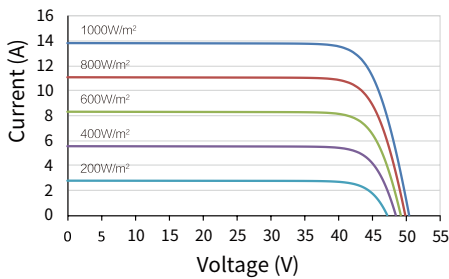
Temperature Ratings (STC)

Temperature coefficient (Pmpp)	-0.34%/°C
Temperature coefficient (Isc)	+0.05%/°C
Temperature coefficient (Voc)	-0.26%/°C
Nominal module operating temperature (NMOT)	42±2°C

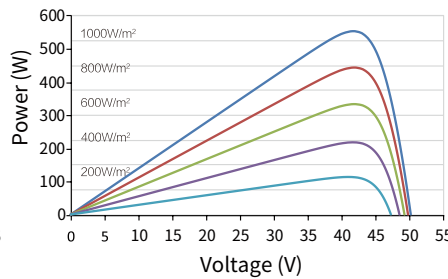
Operating Parameters

Max. system voltage (IEC)	1500V _{DC}
Number of diodes	3
Junction box IP rating	IP 68
Max. series fuse rating	25 A
Operational temperature	-40~+85°C

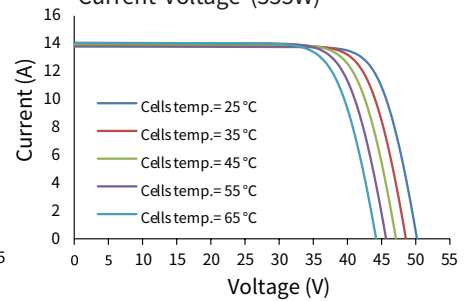
Current-Voltage (555W)



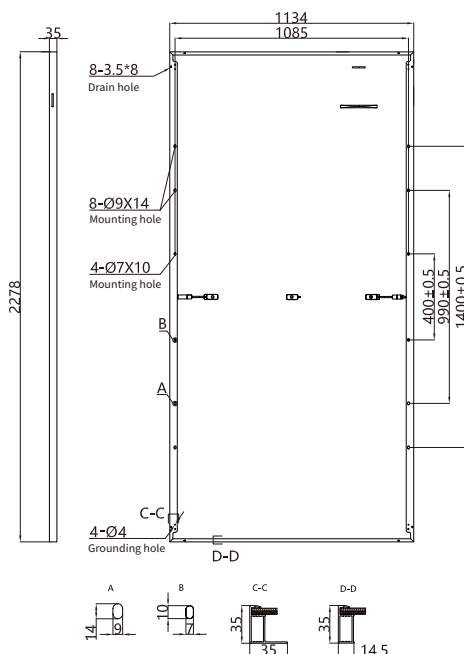
Power-Voltage (555W)



Current-Voltage (555W)



Mechanical parameters



Outer dimensions (L x W x H)	2278 x 1134 x 35 mm
Cell type	P type mono-crystalline
Number of cells	144 (6*24)
Frame Type	Aluminum, silver anodized
Glass thickness	3.2 mm
Cable length (including connector)	Portrait: (+)300 mm, (-)300 mm; Customized length
Cable cross-sectional area (IEC)	4 mm ² / 12 AWG
①(1) Maximum test mechanical load	5400 Pa (front) / 2400 Pa (back)
Connector type (IEC)	MC4 EVO2 compatible/MC4 EVO2
Module weight	26.9 kg
Packaging unit	31 pcs / box
Weight of packing unit	893 kg / box
Modules per 40' HQ container	620 pcs

① Please refer to the installation manual or contact us to confirm.
The maximum test mechanical load = 1.5 × maximum design mechanical load.

*The data above is for reference only and the actual data is in accordance with the practical testing. Power Measurement Tolerance ±3% under STC standard.