

535~555W

HY-P10/72GDF



Module Efficiency up to 21.5%



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



Bifaciality rate up to 70%, and up to 25% power gain from back side (depending on albedo)



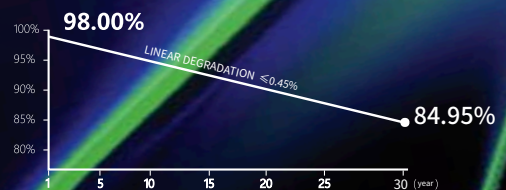
Resistant to harsh environments



Anti PID



More energy yield, lower BOS and LCOE



✓ 15-YEAR PRODUCT WORKMANSHIP WARRANTY

✓ 30-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



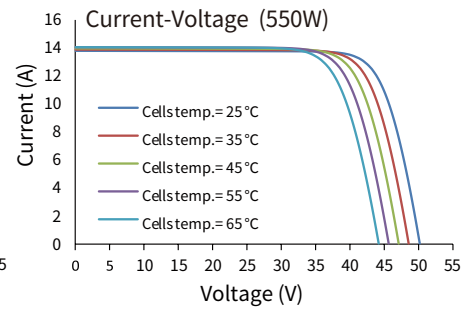
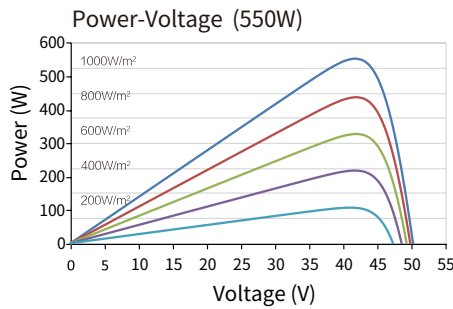
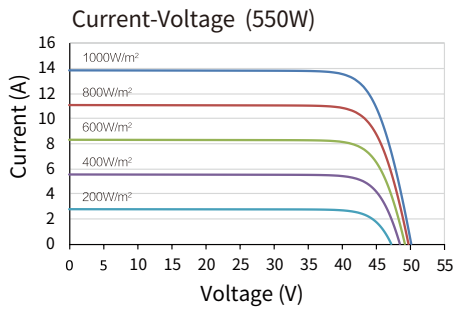
Electrical performance parameters

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

Rated output (Pmpp / Wp)	535	540	545	550	555
Rated voltage (Vmpp / V)	41.22	41.45	41.70	41.93	42.18
Rated current (Impp / A)	12.98	13.03	13.07	13.12	13.16
Open circuit voltage (Voc / V)	49.36	49.64	49.92	50.20	50.48
Short-circuit current (Isc / A)	13.73	13.78	13.83	13.88	13.93
Module efficiency	20.7%	20.9%	21.1%	21.3%	21.5%
Power tolerance	0~+5W				

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

Rated output (Pmpp / Wp)	404.8	408.6	412.4	416.2	420.0
Rated voltage (Vmpp / V)	38.23	38.45	38.67	38.90	39.12
Rated current (Impp / A)	10.58	10.62	10.66	10.70	10.74
Open circuit voltage (Voc / V)	46.21	46.48	46.74	47.01	47.28
Short-circuit current (Isc / A)	11.00	11.04	11.08	11.12	11.16



Different rear power gains (550W as an example)

Power gains Pmpp/ Wp	Vmpp/V	Impp/A	Voc / V	Isc/A	
5%	578	41.93	13.77	50.20	14.57
15%	633	41.93	15.08	50.20	15.96
25%	688	41.93	16.40	50.20	17.35

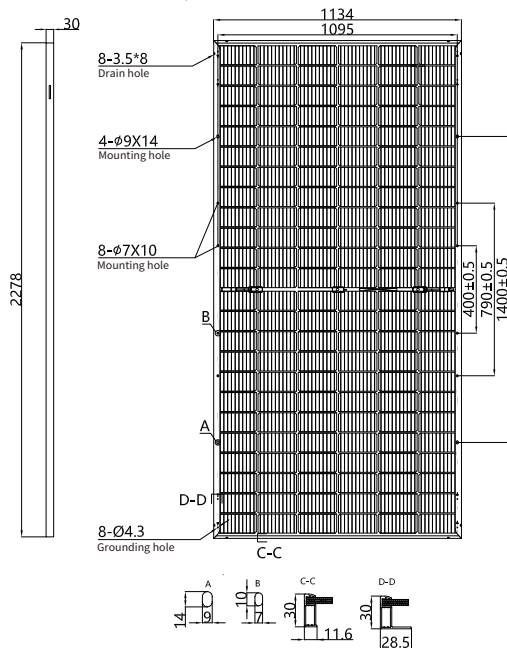
Temperature coefficient

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 protection rating	IP 68
Max. series fuse rating	30 A
Operational temperature	-40~+85°C

Mechanical parameters



Outer dimensions (L x W x H)	2278 x 1134 x 30 mm
Cell	P type mono-crystalline
Number of cells	144 (6*24)
Frame Type	Aluminum, silver anodized
Glass thickness	2.0+2.0 mm
Cable length (including connector)	Portrait: (+)300 mm, (-)300 mm; Customized length
Cable cross-sectional area (IEC)	4 mm ² / 12 AWG
① Maximum test mechanical load	5400Pa (front) / 2400Pa (rear)
Connector type (IEC)	MC4 EVO2 compatible/MC4 EVO2
Module weight	32.1kg
Packaging unit	36 pcs / box
Weight of packing unit	1215 kg / box
Modules per 40' HQ container	720 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.