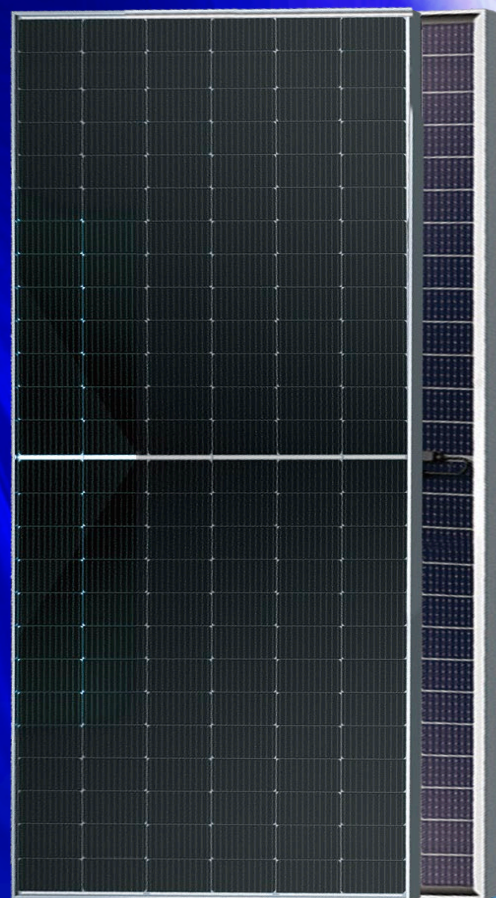










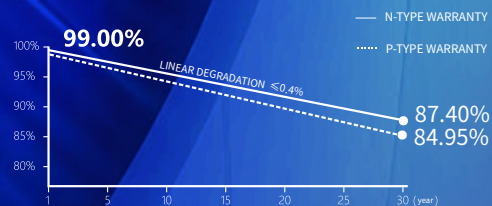




620~640W

HY-NT10/78GDF



-  Module Efficiency up to 22.9%
-  Zero LID
-  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
-  Lower temperature coefficient (-0.29%/°C), lower operating temperature, increase the power generation
-  Excellent low irradiance performance, higher power output
-  Bifaciality rate up to 80-85%, and up to 30% 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 (P _{mpp} / Wp)	620	625	630	635	640
Rated voltage (V _{mpp} / V)	46.20	46.37	46.57	46.75	46.95
Rated current (I _{mpp} / A)	13.42	13.48	13.53	13.59	13.64
Open circuit voltage (V _{oc} / V)	56.01	56.21	56.41	56.61	56.81
Short-circuit current (I _{sc} / A)	13.99	14.05	14.11	14.17	14.21
Module efficiency	22.2%	22.4%	22.5%	22.7%	22.9%
Power tolerance	0~+5W				

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

Rated output (P _{mpp} / Wp)	461.4	465.3	469.0	473.1	476.7
Rated voltage (V _{mpp} / V)	42.96	43.12	43.31	43.48	43.65
Rated current (I _{mpp} / A)	10.74	10.79	10.83	10.88	10.92
Open circuit voltage (V _{oc} / V)	53.20	53.39	53.58	53.77	53.96
Short-circuit current (I _{sc} / A)	11.19	11.24	11.29	11.34	11.38

Different rear power gains (635W as an example)

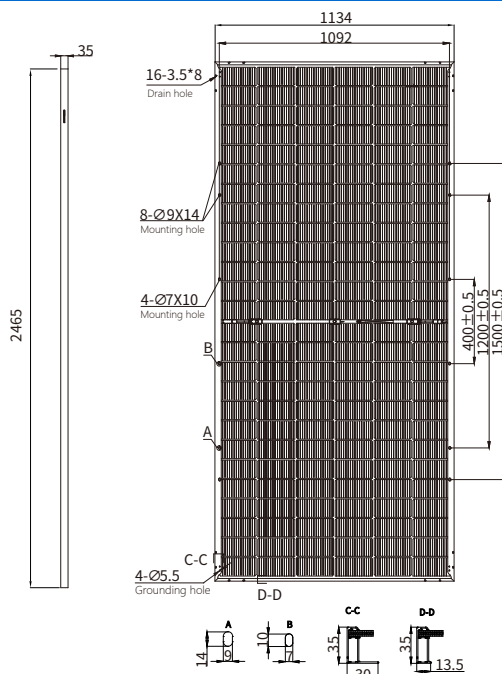
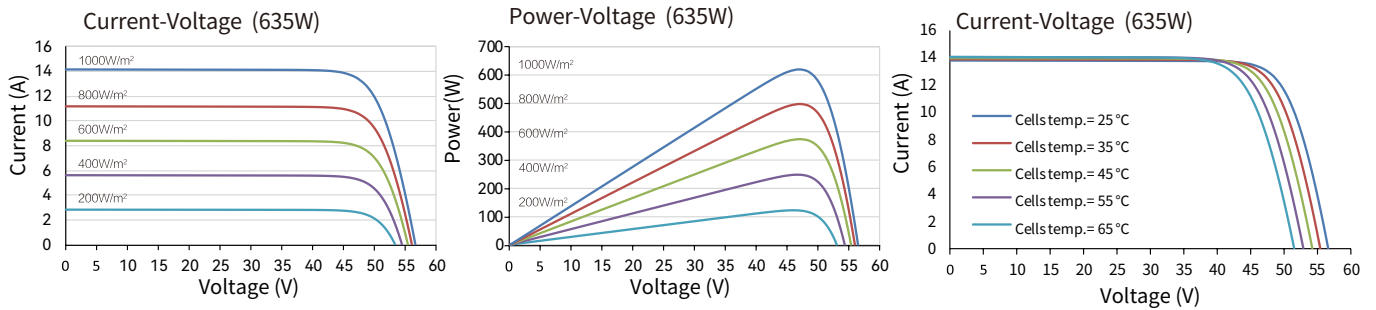
Power gains P _{mpp} / Wp	V _{mpp} /V	I _{mpp} /A	V _{oc} / V	I _{sc} /A	
5%	667	46.75	14.26	56.61	14.88
15%	730	46.75	15.62	56.61	16.30
25%	794	46.75	16.98	56.61	17.71

Temperature coefficient

Temperature coefficient (P _{mpp})	-0.29%/°C
Temperature coefficient (I _{sc})	+0.043%/°C
Temperature coefficient (V _{oc})	-0.24%/°C
Nominal module operating temperature (NMOT)	42±2°C

Operating parameters

Max. system voltage (IEC)	1500V _{oc}
Number of diodes	3
Junction box protection rating	IP 68
Max. series fuse rating	30 A
Operational temperature	-40~+85°C
Bifaciality rate	80±5%



Outer dimensions (L x W x H)	2465 x 1134 x 35 mm
Cell	N type mono-crystalline
Number of cells	156 (6*26)
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	34.7 kg
Packaging unit	31 pcs / box
Weight of packing unit	1129kg / box
Modules per 40' HQ container	496 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.