

HPBC GSY7072M

[560-580W]

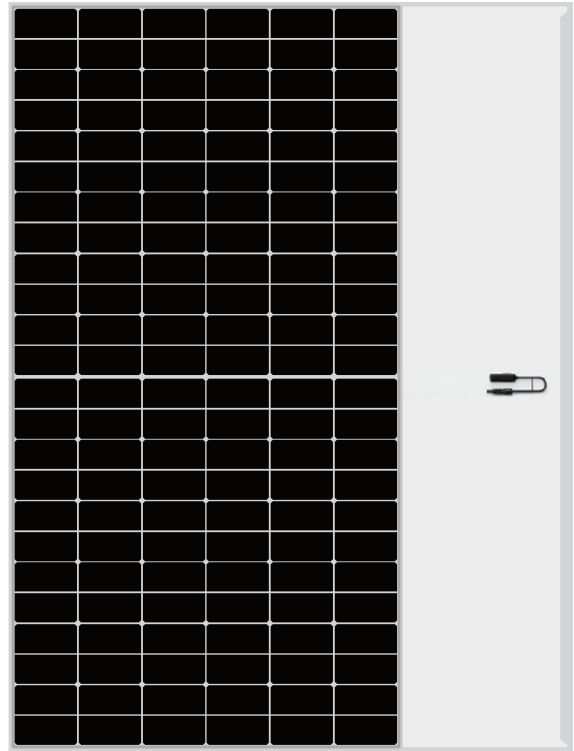
Single Glass Half-cut HPBC

IEC 61215 / IEC 61730

ISO9001: 2015: Quality Management System

ISO14001:2015: Environment Management System

ISO45001:2018: Occupational Health And Safety Management System



KEY FEATURES



10BB Half-cut Cell Technology

New circuit design, lower internal current, lower R_s loss doped wafer



Significantly Lower The Risk Of Hot Spot

Special circuit design with much lower hot spot temperature



Full Black Design

More beautiful appearance, greatly improve the decorative effect



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control



Enhanced Mechanical Load

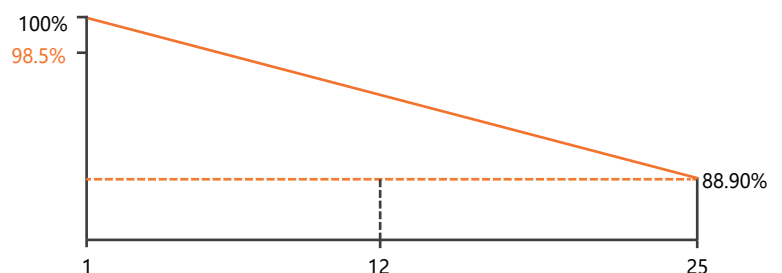
Certified to withstand: wind load (2400 Pascal) and snowload(5400 Pascal)

Guaranteed Power Performance

25 Years Product Warranty

30 Years Linear Power Warranty

0.40% Annual Degradation Over 25 Years



As different markets have different certification requirements, please consult our G-Star sales group to obtain the corresponding certification for the local market. If any special requirements are needed for the specific installing environment, please feel free to contact G-star technical support department anytime.

GSY7072M

560-580W

Single Glass Half-cut HPBC

Weight

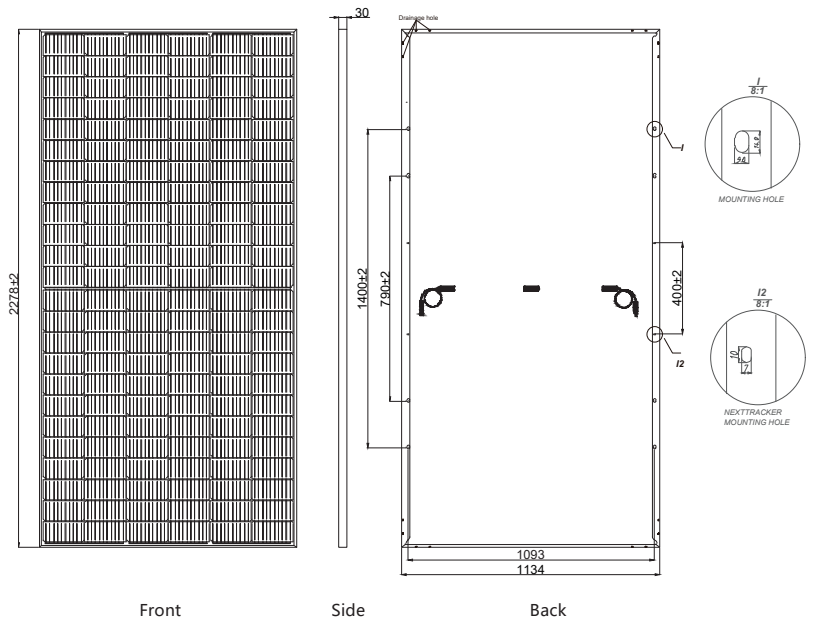
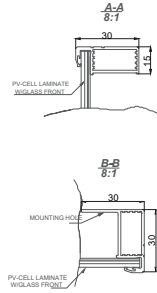
27.2kg

Dimensions

2278X1134X30mm

Packaging

36pcs/pallet,720pcs/ 40'HQ Container



OPERATING CONDITIONS

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500V/DC(IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0~+3%
Safety Protection Class	Class II
Temperature Coefficients Of Pmax	-0.290%/°C
Temperature Coefficients Of Voc	-0.230%/°C
Temperature Coefficients Of Isc	+0.050%/°C
Nominal Module Operating Temperature (NMOT)	45±2°C

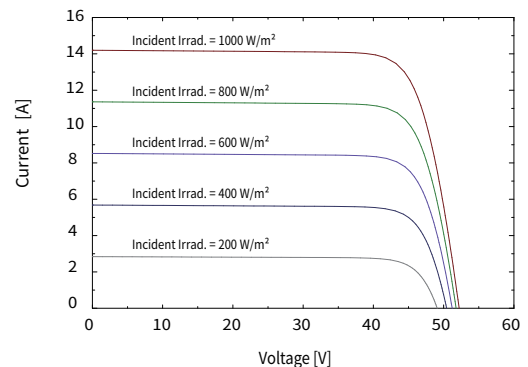
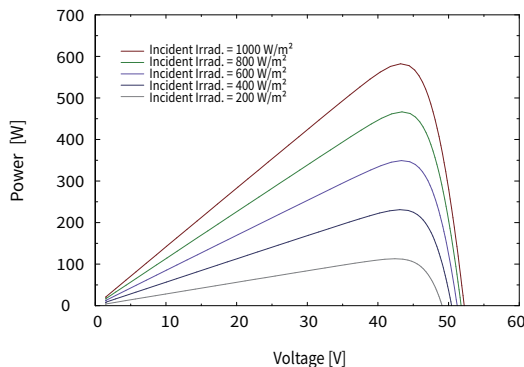
MECHANICAL CHARACTERISTICS

Cell Type	HPBC 182*91 mm
No. Of Cells	144 pcs in series (6x24)
Front Glass	3.2mm Coated Tempered Glass
Backsheet	Color: White
Frame	Anodized Aluminium Alloy
Junction Box	IP68,3 Bypass Diodes
Output Cables	300mm in length or Customized Length
Connectors	MC4/MC4-EVO2
Mechanical Load	5400Pa(Front)/2400Pa(Back)

ELECTRICAL PARAMETERS AT STC & NMOT

Testing Condition	GSY7072M-560BW		GSY7072M-565BW		GSY7072M-570BW		GSY7072M-575BW		GSY7072M-580BW	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax)	560Wp	418Wp	565Wp	422Wp	570Wp	426Wp	575Wp	430Wp	580Wp	433Wp
Maximum Power Voltage (Vmpp)	43.46V	39.66V	43.61V	39.79V	43.76V	39.93V	43.91V	40.07V	44.06V	40.20V
Maximum Power Current (Impp)	12.89A	10.55A	12.96A	10.61A	13.03A	10.67A	13.10A	10.72A	13.17A	10.78A
Open-Circuit Voltage (Voc)	51.61V	48.46V	51.76V	48.60V	51.91V	48.74V	52.06V	48.88V	52.21V	49.02V
Short-Circuit Current (Isc)	13.94A	11.26A	14.01A	11.31A	14.07A	11.36A	14.14A	11.42A	14.20A	11.47A
Module Efficiency STC (%)	21.7%		21.9%		22.1%		22.3%		22.5%	

IV-CURVE



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*STC: Irradiance 1000W/m²
NMOT: Irradiance 800W/m²



Cell Temperature 25°C
Ambient Temperature 20°C



AM=1.5
AM=1.5



Wind Speed 1m/s
Wind Speed 1m/s

Due to ongoing innovation, R&D enhancement, the specification and key features described in this datasheet may deviate slightly and are not guaranteed. G-Star reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.