

JUPITER GSP7F78M [580-600W]

Single Glass 10BB Half-cut Mono Perc

IEC 61215 / IEC 61730 / UL 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 Rs loss doped wafer



Significantly Lower The Risk Of Hot Spot

Special circuit design with much lower hot spot temperature



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)



IP68 Junction Box

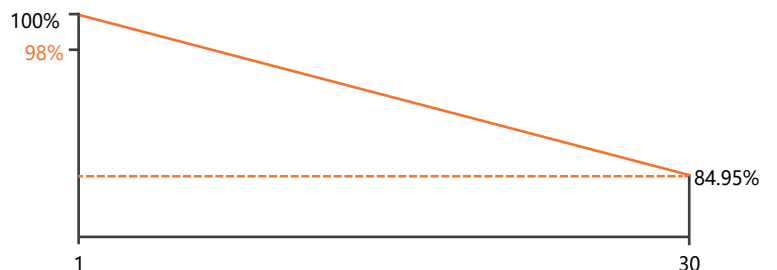
High waterproofing level

Guaranteed Power Performance

25 Years Product Warranty

30 Years Linear Power Warranty

0.45% Annual Degradation Over 30 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.

GSP7F78M

580-600W

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Weight

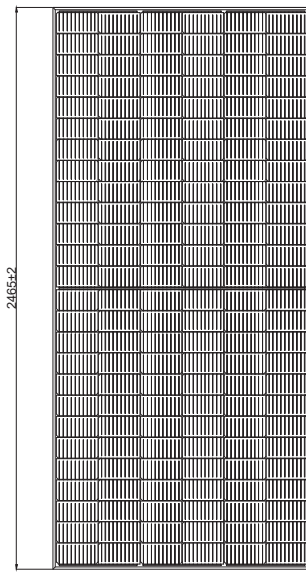
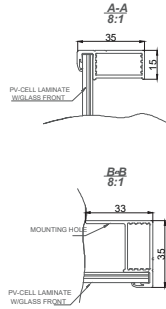
31.5kg

Dimensions

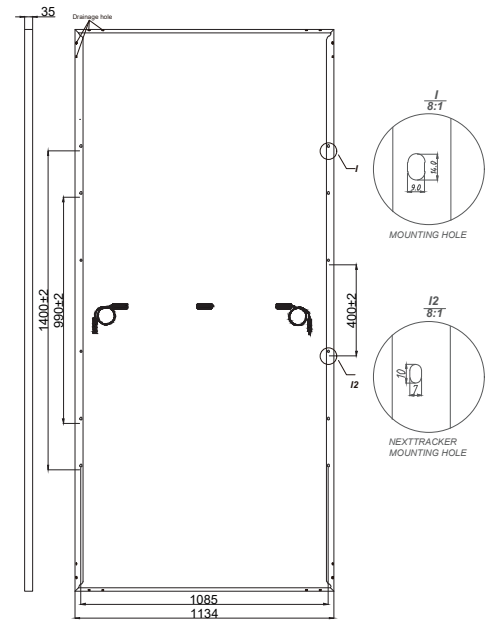
2465*1134*35mm

Packaging

31pcs/pallet,496pcs/ 40'HQ Container
496pcs/ 40'HQ Container(USA)



Front



Side

Back

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	-0.35%/°C
Temperature Coefficients Of Voc	-0.26%/°C
Temperature Coefficients Of Isc	+0.048%/°C
Nominal Module Operating Temperature (NMOT)	43±2°C

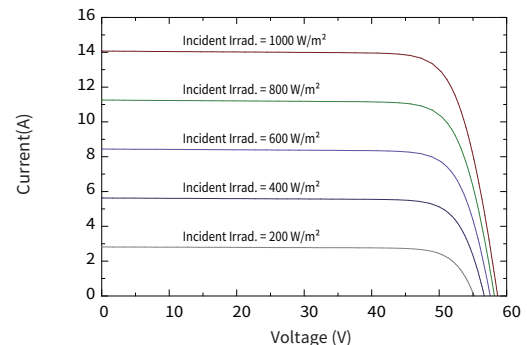
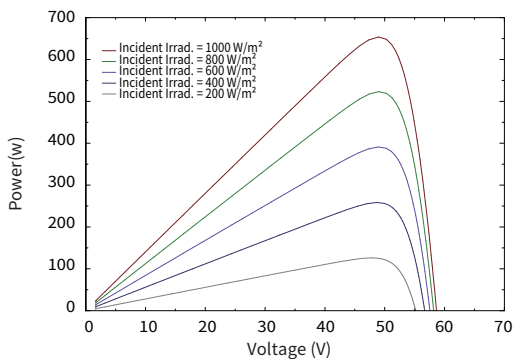
MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 182*91 mm
No. Of Cells	156 pcs in series (6x26)
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	GSP7F78M-580W		GSP7F78M-585W		GSP7F78M-590W		GSP7F78M-595W		GSP7F78M-600W	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax)	580Wp	432Wp	585Wp	436Wp	590Wp	439Wp	595Wp	443Wp	600Wp	447Wp
Maximum Power Voltage (Vmpp)	44.97V	41.90V	45.11V	42.10V	45.25V	42.20V	45.39V	42.30V	45.53V	42.50V
Maximum Power Current (Impp)	12.90A	10.30A	12.97A	10.35A	13.04A	10.41A	13.11A	10.46A	13.18A	10.52A
Open-Circuit Voltage (Voc)	53.59V	50.40V	53.73V	50.60V	53.87V	50.70V	54.01V	50.80V	54.15V	51.00V
Short-Circuit Current (Isc)	13.79A	11.12A	13.86A	11.17A	13.93A	11.23A	14.00A	11.28A	14.07A	11.34A
Module Efficiency STC (%)	20.75%		20.93%		21.11%		21.29%		21.46%	

IV-CURVE



E-mail: info@gstar-solar.com
Website: www.gstarsolar.com



*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.