

JUPITER GSP7F54M [390-410W]

Single Glass 10BB Half-cut Mono Perc - Full Black

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



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

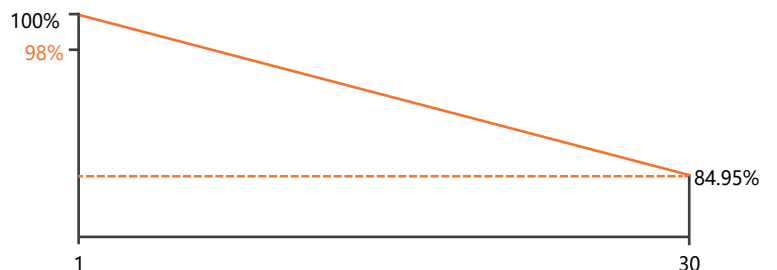
Certified to withstand: wind load (2400 Pascal) and snowload(5400 Pascal)

Guaranteed Power Performance

25 Years Product Warranty

30 Years Linear Power Warranty

0.45% 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.

GSP7F54M

390-410W

Single Glass 10BB Half-cut Mono Perc - Full Black

Weight

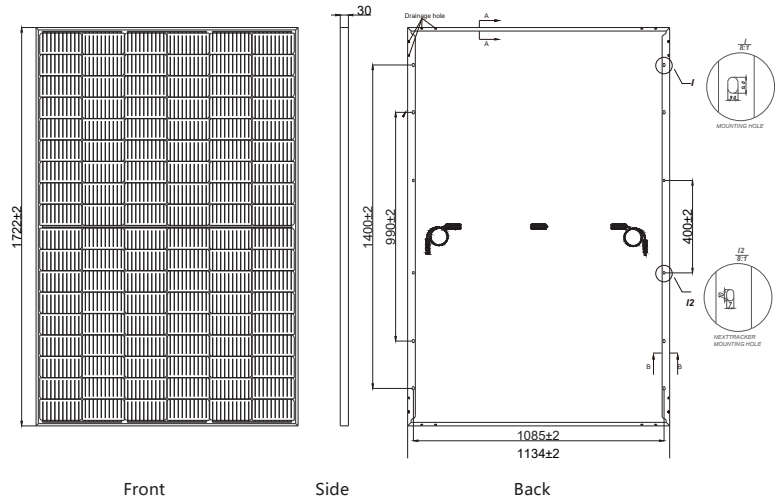
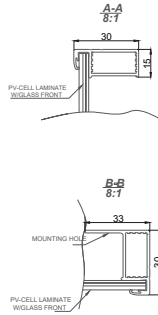
21.5kg

Dimensions

1722*1134*30mm

Packaging

36pcs/pallet,936pcs/ 40'HQ Container
828pcs/ 40'HQ Container(USA)



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

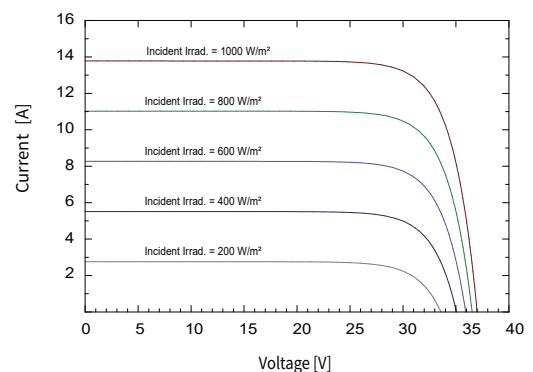
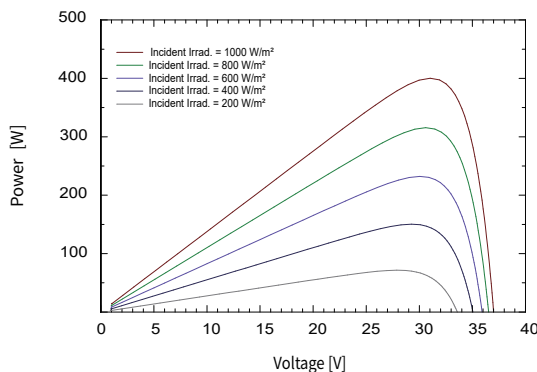
MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 182*91 mm
No. Of Cells	108 pcs in series (6x18)
Front Glass	3.2mm Coated Tempered Glass
Backsheet	Color: Black
Frame	Black Frame
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	GSP7G54M-390BB		GSP7G54M-395BB		GSP7G54M-400BB		GSP7G54M-405BB		GSP7G54M-410BB	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax)	390Wp	291Wp	395Wp	294Wp	400Wp	298Wp	405Wp	302Wp	410Wp	306Wp
Maximum Power Voltage (Vmpp)	30.65V	28.60V	30.85V	28.80V	31.05V	29.00V	31.24V	29.20V	31.43V	29.30V
Maximum Power Current (Impp)	12.73A	10.18A	12.81A	10.23A	12.89A	10.30A	12.97A	10.36A	13.05A	10.42A
Open-Circuit Voltage (Voc)	36.50V	34.40V	36.75V	34.60V	37.00V	34.80V	37.25V	35.10V	37.50V	35.30V
Short-Circuit Current (Isc)	13.61A	10.97A	13.69A	11.04A	13.78A	11.11A	13.86A	11.17A	13.94A	11.24A
Module Efficiency STC (%)	19.97%		20.23%		20.48%		20.74%		21.00%	

IV-CURVE



Gstar

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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.