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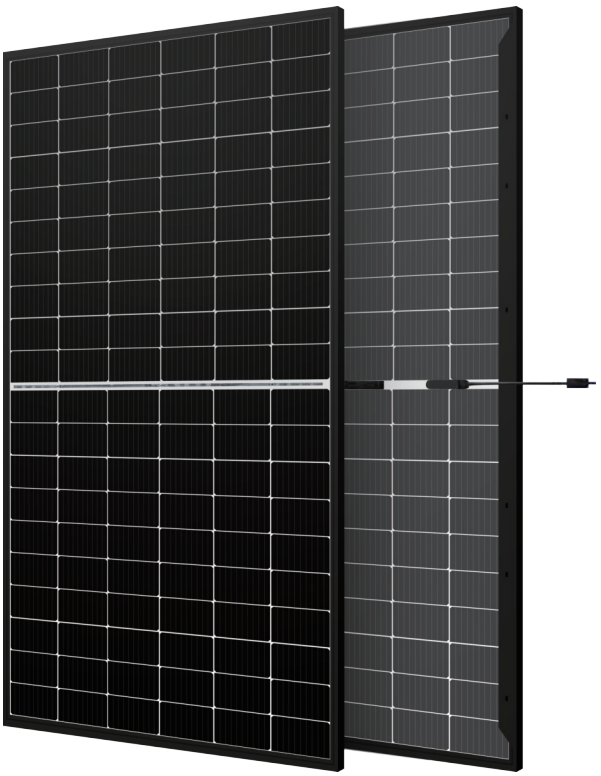
MARS

GSP6G60M-380BT

Bifacial Single Glass 9BB Half-cut Mono Perc



IEC 61215 / IEC 61730 / UL 61730

IS09001: 2015: Quality Management System

IS014001:2015: Environment Management System

IS045001:2018: Occupational Health And Safety Management System

KEY FEATURES

9BB Half-cut Cell Technology

New circuit design,lower internal current, lower Rs loss dopped wafer

Significantly Lower The Risk Of Hot Spot

Special circuit design with much lower hot spot temperature

Double Power Output

For higher power output, backside power output can be increasess 5-25%

PID Resistance

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

Enhanced Mechanical Load

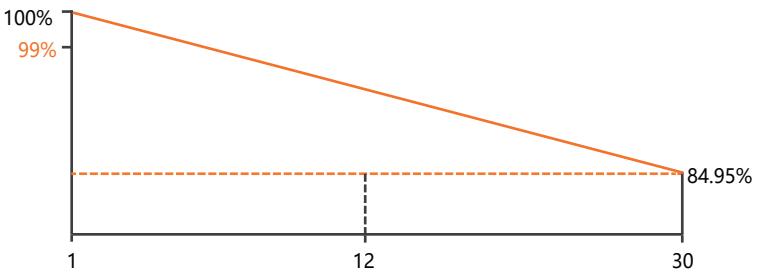
Certified to withstand: wind load (2400 Pascal) and snowload(5400 Pascal)

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, pleae feel free to contact G-star technical support department anytime.

GSP6G60M

360-380BT

Bifacial Single Glass 9BB Half-cut Mono Perc

Weight

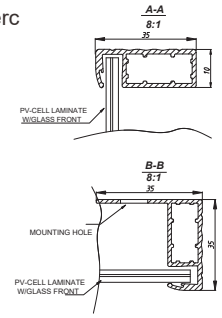
19.5 kg

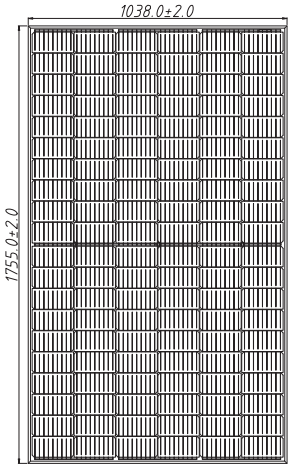
Dimensions

1755*1038*35mm

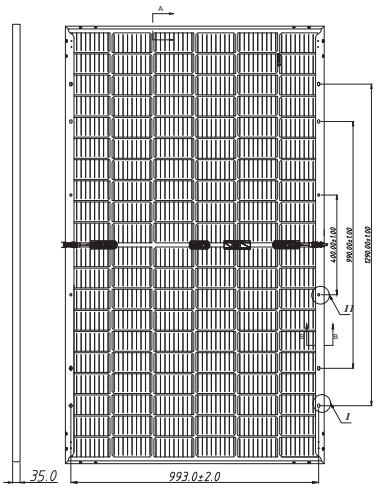
Packaging

31pcs/pallet,806pcs/ 40'HQ Container
806pcs/ 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%
Temperature Coefficients Of Pmax	-0.36%/°C
Temperature Coefficients Of Voc	-0.26%/°C
Temperature Coefficients Of Isc	0.043%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C
*Under STC :BACKside Output Ration =Pmax(rear)/Pmax(front)	70%±5%

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline 182*91mm
No. Of Cells	120 pcs in series (6x20)
Front Glass	3.2mm AR Coating Semi-tempered Glass
Backsheet	Transparent
Frame	Anodized Aluminium Alloy, Black
Junction Box	IP68 ,3Bypass Diodes
Output Cables	300mm in legth or Customized Length
Connectors	MC4/MC4-EVO2
Mechanical Load	5400Pa(Front)/2400Pa(Back)

ELECTRICAL PARAMETERS AT STC & NMOT

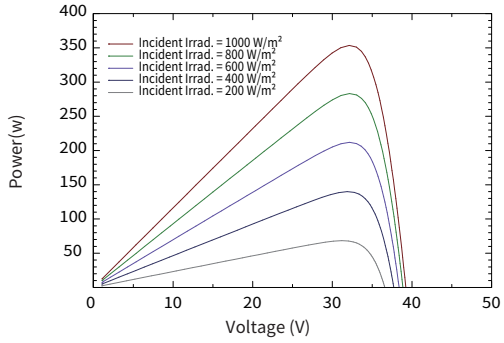
Module Type	GSP6G60M-360BT		GSP6G60M-365BT		GSP6G60M-370BT		GSP6G60M-375BT		GSP6G60M-380BT	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax)	360Wp	268Wp	365Wp	271Wp	370Wp	275Wp	375Wp	278Wp	380Wp	282Wp
Maximum Power Voltage (Vmp)	34.30V	31.60V	34.60V	31.90V	34.90V	32.10V	35.20V	32.30V	35.50V	32.60V
Maximum Power Current (Imp)	10.50A	8.46A	10.56A	8.50A	10.61A	8.55A	10.66A	8.60A	10.71A	8.64A
Open-Circuit Voltage (Voc)	40.70V	37.90V	40.90V	38.00V	41.10V	38.20V	41.30V	38.40V	41.50V	38.60V
Short-Circuit Current (Isc)	11.15A	9.00A	11.20A	9.04A	11.26A	9.09A	11.31A	9.13A	11.37A	9.17A
Module Efficiency STC (%)	19.76%		20.04%		20.31%		20.59%		20.86%	

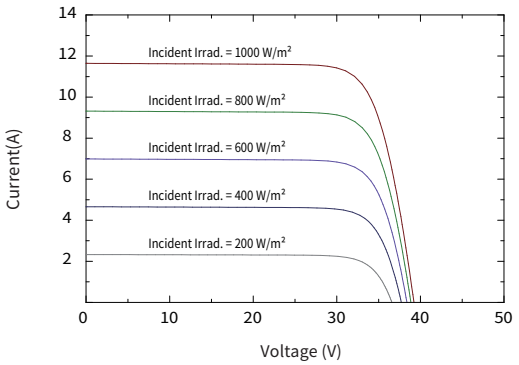
BIFACIAL OUTPUT-REARSIDE POWER GAIN

5%	Maximum Power(Pmax)	378Wp	383Wp	389Wp	394Wp	399Wp
	Module Efficiency STC (%)	20.75%	21.04%	21.33%	21.61%	21.90%
15%	Maximum Power(Pmax)	414Wp	420Wp	426Wp	431Wp	437Wp
	Module Efficiency STC (%)	22.73%	23.04%	23.36%	23.67%	23.99%
25%	Maximum Power(Pmax)	450Wp	456Wp	463Wp	469Wp	475Wp
	Module Efficiency STC (%)	24.70%	25.05%	25.39%	25.73%	26.07%

*Bifacial Gain: The additional gain from the back side compared to the power of the front side at the standard test condition. It depends on mounting (structure, height, tit angle etc.) and albedo of the ground.

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.