

# HIGON BIGLASS

## HG-66HC12B

660-680Wp

BIFACIAL  
HALF CELL PERC



Made by G12 solar cell, larger size silicon wafer module can reduce the cost of PV support bracket, cable, land upto 20%.



Regional value creation, made without lead and produced using 100% renewable energy.



Selected encapsulating material and stringent production process control ensure the product is highly PID resistant and snail trails free



Optimized system performance due to module level current sorting



Highly transparent self-cleaning glass brings additional yield and easy maintenance



Sand blowing test, salt mist test and ammonia test passed to endure harsh environments

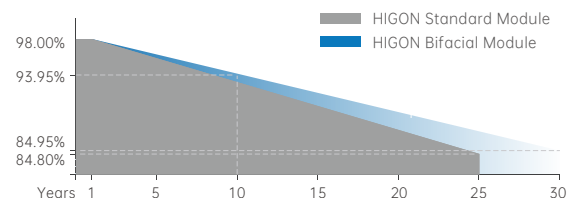
### Higon Reliable Quality

- World-class manufacturer of crystalline silicon photovoltaic modules
- Fully automatic facility and world-class technology
- Rigorous quality control to meet the highest standard: ISO 9001, ISO 14001 and ISO 45001
- Long term reliability tests
- 3X100% EL inspection ensuring defect-free modules



### Performance Warranty

- 15 Years Product Warranty
- 30 Years Linear Power Warranty
- 2% Degradation in 1st year
- 4.5% Annual Degradation Over 30 Years



THE IDEAL SOLUTION FOR:

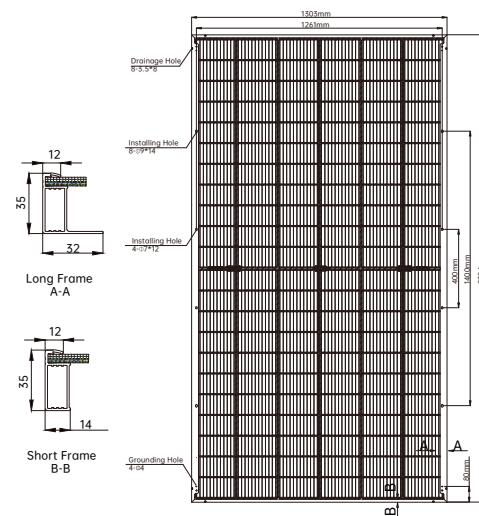


Ground-mounted solar plants

# HIGON BIGLASS HGXXX-66HC12B(XXX=660-680Wp)

## Mechanical Characteristics

Solar Cell	Monocrystalline silicon 182mm
No. of Cells	132 (6×22)
Dimensions	2384×1303×35mm
Weight	38.7 kg
Front Glass	High transparency solar glass 2.0mm
Back Glass	High transparency solar glass 2.0mm
Junction Box	IP68 rated(3 bypass diodes)
Connector	MC Compatible
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	35A
Wind/ Snow Load	2400Pa/ 5400Pa



## Electrical Characteristics

POWER CLASS	660		665		670		675		680	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power(Pmax/W)	660	499.4	665	503.1	670	506.9	675	510.7	680	514.5
Operating Voltage(Vmp/V)	38.00	35.45	38.20	35.64	38.40	35.82	38.60	36.01	38.80	36.20
Operating Current(Imp/A)	17.37	14.09	17.41	14.12	17.45	14.15	17.49	14.18	17.53	14.21
Open-Circuit Voltage(Voc/V)	45.80	43.14	46.00	43.33	46.20	43.52	46.40	43.71	46.60	43.90
Short-Circuit Current(Isc/A)	18.31	14.76	18.36	14.80	18.41	14.84	18.46	14.88	18.51	14.92
Module Efficiency(%)	21.2		21.4		21.6		21.7		21.9	

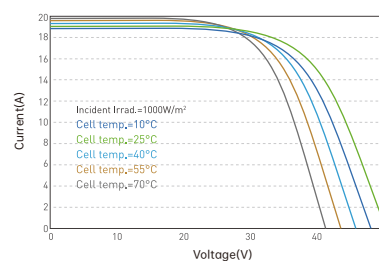
STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5;  
 NMOT: Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerance of Pmax is within +/- 3%;

## Different Rearside Power Gain Referene to 670W Front

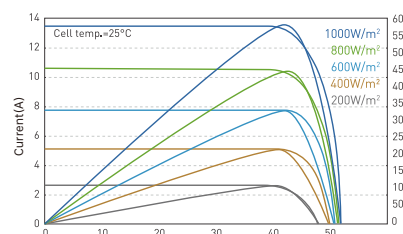
Rearside Power Gain	5%	10%	20%
Maximum Power(Pmax/W)	704	737	804
Operating Voltage(Vmp/V)	38.70	38.70	38.70
Operating Current(Imp/A)	18.20	19.05	20.78
Open-Circuit Voltage(Voc/V)	45.80	45.80	45.80
Short-Circuit Current(Isc/A)	19.48	20.41	22.26
Module Efficiency(%)	22.7%	23.7%	25.9%

## Graphs

I-V Curve at different Temperature (675W)



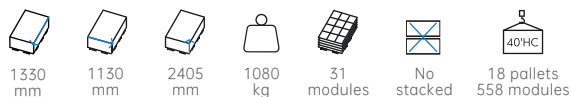
I-V/P-V Curve at different Irradiation (675W)



## Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	45 ± 2 °C
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	0.050%/°C

## Packing Configuration



Notice: All data and specifications are preliminary and subject to change without notice.

Contact Us for More Information

web: [www.higonsolar.com](http://www.higonsolar.com) email: [info@higonsolar.com](mailto:info@higonsolar.com)

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