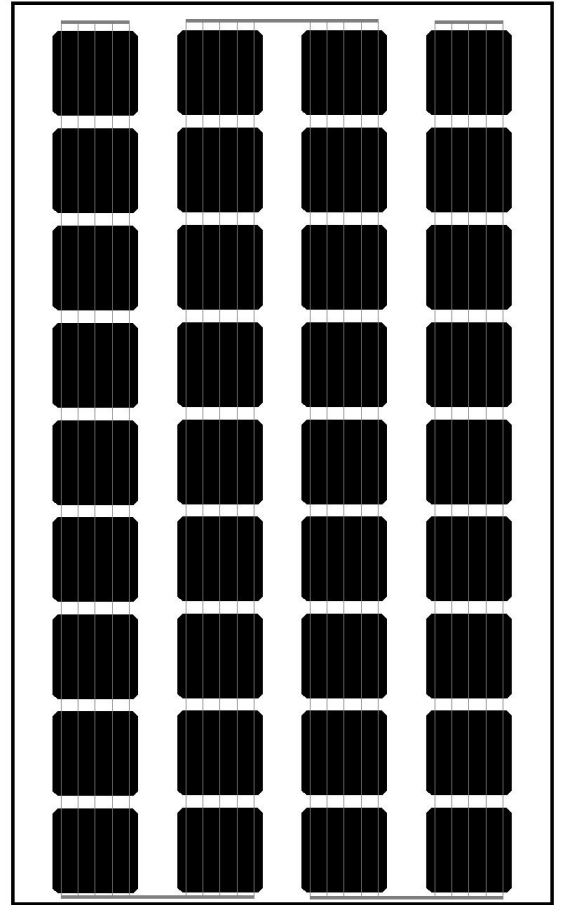
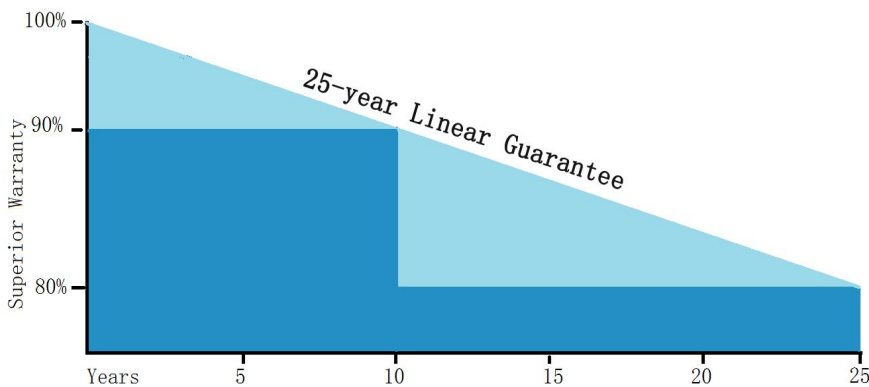


## Key Features

- Power output: Positive tolerance, up to 5W
- 100% 2 EL tests before/after laminated
- 10 years warranty for workmanship
- 25 years irrevocable warranty
- Anti-reflective and self-cleaning surface reduces power loss from dirt dust
- Snow loads 5400Pa and wind loads 2400Pa
- High performance and power output in low solar irradiation
- Ultra white, low iron tempered glass
- TUV, UL CE Standard  
ISO9001:2008 ISO14001:2004 OHSAS18001:1999

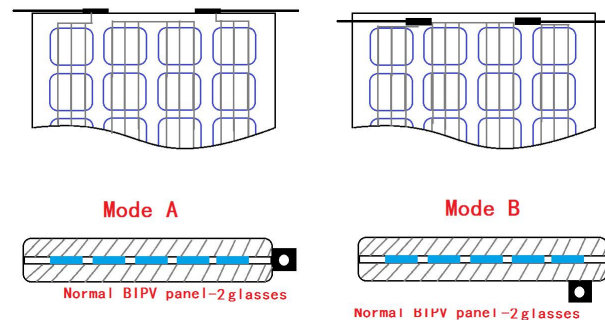


## Superior Warranty



### 25years Linear Power Output Warranty

In the first year of warranty, the peak power of solar panel should be on less than 95% of the rated power. At the end of the 25<sup>th</sup> year, power of modules should be at least 80% of the rated power.



## Assemble Line



## Application/Project



**MECHANICAL PARAMETERS**

Solar cell	Monocrystalline solar cell
Front Cover	ultra clear, wove surface tempered glass
Back Cover	Tempered glass
Encapsulate	EVA(ethylene vinyl acetate),PVB
Sun transparency	40%
Junction Box	IP65/IP67 compatible
Cables / Connectors	MC4 connectors, 4mm <sup>2</sup> x900mm Cable
Dimensions(mm)	1658x986x7.4
Weight(kg)	26.5

Maximum System Voltage	1000V DC
Operating Temperature	-40℃~85℃
Storage Temperature	-40℃~85℃
Maximum Wind Load	2400Pa
Maximum Snow Load	5400Pa
Application Class	Class A

**ELECTRICAL PARAMETERS**

Series Number	GSBIPV-160W(156M)36	GSBIPV-165W(156M)36	GSBIPV-170W(156M)36
Cell Type	Mono		
Max power	160w	165w	170w
Power Tolerance	0~5w		
Light transmittance	40%		
Nominal Voltage(V)	18.15	18.21	18.25
Nominal Current(A)	8.82	9.06	9.32
Open circuit voltage(V)	22.38	22.55	22.75
Short circuit current(A)	9.31	9.55	9.81
Size of cell/strip(mm)	156x156		
Number of cell/strip	36(4x9)		
Power of cell	4.63w	4.70w	4.82w
FF(fill factor)%	76.79	76.61	76.17
NOCT	45℃±2℃		
Temperature	Isc	+0.049% /℃	
Co-efficient	Voc	-0.340% /℃	
	Pmpp	-0.430% /℃	
STC :Irradiance 1000w/m <sup>2</sup> , Module temperature 25℃,AM=1.5			

**WARRANTY**

10years on material on workmanship
10years with 90% output, 20years with 80% output

**Packing Configuration**

50pcs per poly wooden case
800pcs per 40HQ