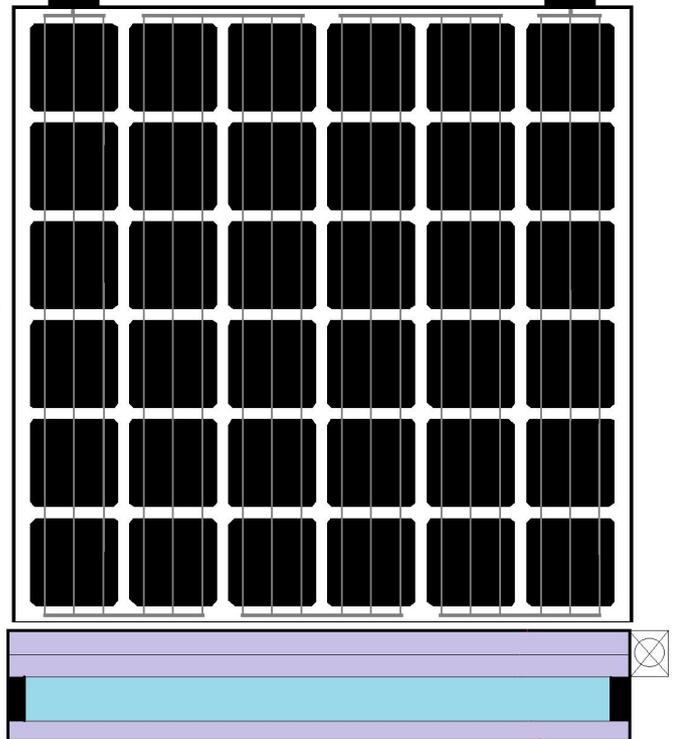


**Insulated/Hollow Solar panel**

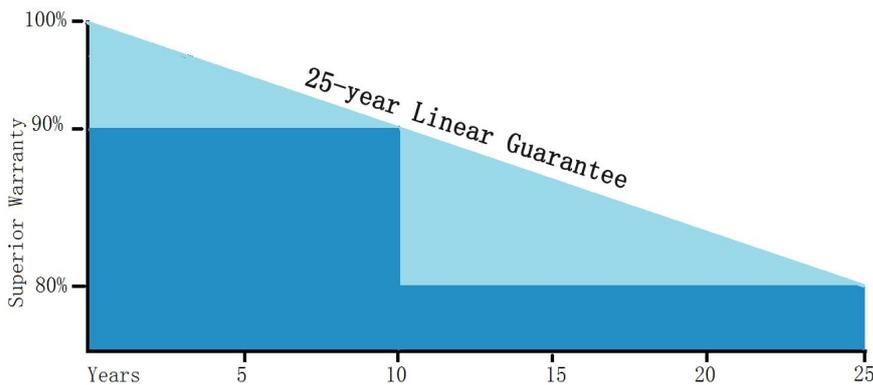
**150w-160w Mono**

## Key Features

- Power output: Positive tolerance, up to 5W
- 100% 2 EL tests before/after laminated
- 10years warranty for workmanship
- 25years 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	4mm ultra white, wove surface tempered glass
Back Cover	4mm Tempered glass
Encapsulate	PVB
Insulated glass	4mm Low-E
Gap	12A
Sun transparency	30%
Junction Box	IP65/IP67 compatible
Cables / Connectors	MC4 connectors, 4mm <sup>2</sup> x900mm Cable
Dimensions(mm)	1100x1100x25
Weight(kg)	37

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	GSBIPVH-150W(156M)36	GSBIPVH-155W(156M)36	GSBIPVH-160W(156M)36
Cell Type	Mono		
Max power	150w	155w	160w
Power Tolerance	0~5w		
Light transmittance	30%		
Nominal Voltage(V)	18.05	18.13	18.15
Nominal Current(A)	8.31	8.56	8.82
Open circuit voltage(V)	22.35	22.41	22.38
Short circuit current(A)	8.95	9.10	9.31
Size of cell/strip(mm)	156x156		
Number of cell/strip	36(4x9)		
Power of cell	>4.6w	>4.7w	>4.8w
FF(fill factor)%	74.98	76.00	76.79
NOCT	45℃±2℃		
Temperature Co-efficient	Power	+0.049% /℃	
	Voltage	-0.340% /℃	
	Current	-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**

35pcs per poly wooden case
500pcs per 40HQ