

HANWALL

The world's first "power generation wall" that integrates the whole value chain, is based on unparalleled safety and equipped with a glass base CIGS chip, the world's leading technology, to convert light into electricity and enable buildings to generate electricity independently. HanWall comes in various shapes, patterns and colors, making it adaptable to all of the world's mainstream architectural styles, and offering new buildings innovative new integrated solutions.

Product Highlight

The Leading CIGS Thin Film Solar Technology

- **15%** Solar conversion efficiency
- **Low** Temperature coefficient
- **High** Dim light performance

Eco-friendly But Still Productive

- Power reaching **150W/m²**
- Up to **30%** electricity cost saving
- Install and maintain with **Ease**

Stable and Work Well under Various Weather Conditions

- Power output not less than **80%** within 25 Years
- Working temperature from **-40°C to 85°C**
- Compressive strength at **6000Pa/ m²**

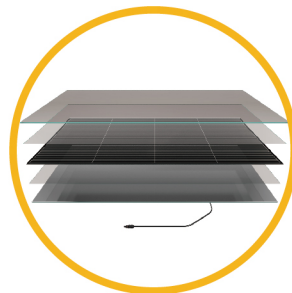
Efficient



Economical



Durable



Product Specification



Larger generating capacity

Maximum additional power +5W
Low temperature coefficient of $-0.3\%/K$



Elegant appearance

Black or color surface
Photovoltaic solution that meets high visual requirements



Certification & Testing

IEC 61646
IEC 61730
GB 29551-2013
UL 1703 (UL)
FCC PART 15 B
ISO 9001



Quality control

100% of the components have passed the defect inspection (EL) for solar energy battery packs, ensuring the production process.

Passed tests that are longer and more rigorous than IEC 61646



Increase product reliability

Auxiliary frames increasing reliability



Easy installation

Standardized module design for easy installation

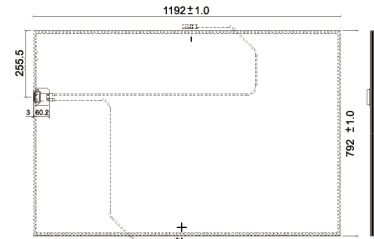


Information of the packing box

External dimension (including pallets) Length 1310mm
Width 1140mm
Height 1007mm

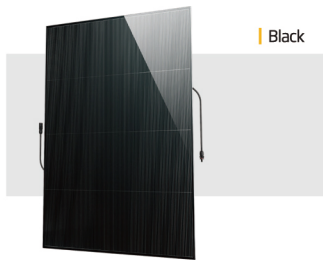
Gross weight 740 kg

Number of components 20

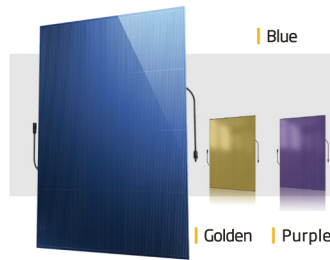


10-Year Limited Product Warranty.
Output is not less than 80% within 25 years.

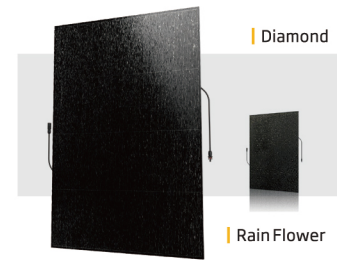
BASIC SERIES



COLOR SERIES



IMITATION STONE SERIES



Parameter of electrical characteristics

STC test condition (1000W/m² 25°C, spectrum of AM1.5G)¹

Series			Basic	Color	Imitation Stone
Power (+5/-0W)	P	[W]	140	130	140
Short-circuit current	I _{sc}	[A]	1.72	1.65	1.73
Open-circuit voltage	V _{oc}	[V]	108.90	108.80	109.60
Current at PMPP	I _{MPP}	[A]	1.63	1.50	1.58
Voltage at PMPP	V _{MPP}	[V]	86.10	86.80	88.70
Rated conversion efficiency	[%]		15	14	15

Temperature coefficient at 1000W/m²

P_{MPP} γ [%/K] -0.30 ~ -0.28 I_{sc} α [%/K] +0.01 V_{oc} β [%/K] -0.24 ~ -0.2

NMOT

Rated working temperature of the components [°C] 42

Mechanical specifications

Length	1192 (+1/-1) mm
Width	792 (+1/-1) mm
Thickness	15 mm (±0.2) mm
Weight	33kg
Front plate	5mm ultra-white tempered glass
Back plate	5mm ultra-white tempered glass (punching)
Battery	Cuprum, indium, gallium, selenium CIGS[Cu(In, Ga)Se]
Junction box	Protection grade IP67 (66mm × 60mm × 12.5mm) Integrated junction box with a bypass diode
Cable type	2.5mm ² solar cable
Connector	MC4

Characteristic parameters of system integration

Max. system voltage V _{SY}	[V]	1000 (IEC)	Protection grade	IP67
Max. reverse current I _R	[A]	4	Combustion performance rating	A(GB8624)
Snow/Wind load (IEC61646)	[Pa]	6000	Under continuous operation from	-40°C to +85°C
Hail resistance grade		Grade IV		

* A safety parameter of 1.5 was considered when testing

The user shall follow the installation instructions. Please refer to the installation and operation instructions for more information about the using permissions of the product, or consult the technical service staff.

The product parameters may be adjusted according to the actual product. For more product information, please consult sales.

