Stone series **COM-S1**

CdTe Power Glass

Product Certification

- IEC/EN61215 IEC/EN61730
- GB/T29551
- JGJ102
- Fireproof Class A

About CNBM (Chengdu)

Chengdu CNBM Optoelectronic Materials Co., Ltd. is the leading company of the thin-film new energy industry, and the subsidiary of the world's top 500 China National Building Materials Group. CNBM is engaged in the R&D and manufacture of Cadmium telluride power generation glass, and the design and installation of photovoltaic systems. CNBM is committed to becoming the world's leading professional provider of cadmium telluride power generation glass solutions.

Product Features

High power generation
Under the same installed capacity, the power generation is more than other optoelectronic technologies

Low temperature coefficient
Less affected by temperature. With the increase of temperature, the power attenuation is smaller than other PV products

High security
Low hot spot effect, Strong resistance to occlusion, high safety

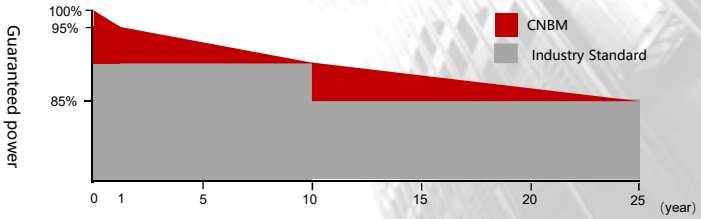
Adapt to harsh environments
It can be installed and used in extreme conditions such as mountains, deserts, and coastal defenses

Perfect integration with architecture
It can be customized from dimensions, colors, patterns, light transmission, etc., and is suitable for various styles of buildings

Environmental protection and safety
Energy saving and emission reduction, green building materials that can create value

Product Warranty

10-year Product Warranty **25-year** Linear Power Output Guarantee



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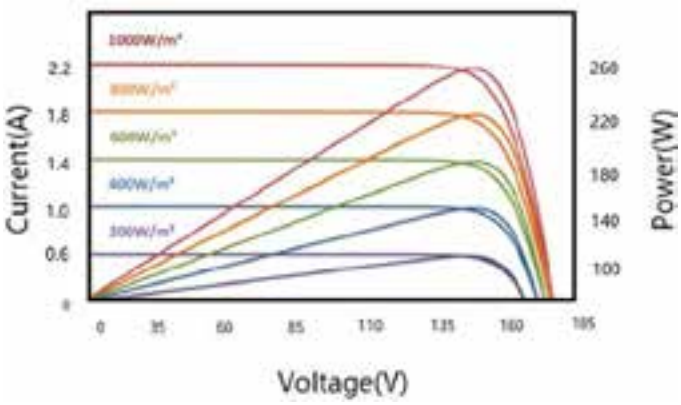
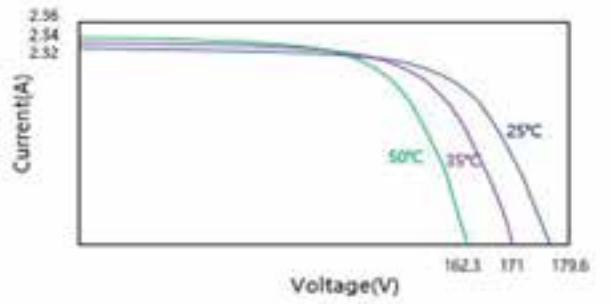
IV Curves

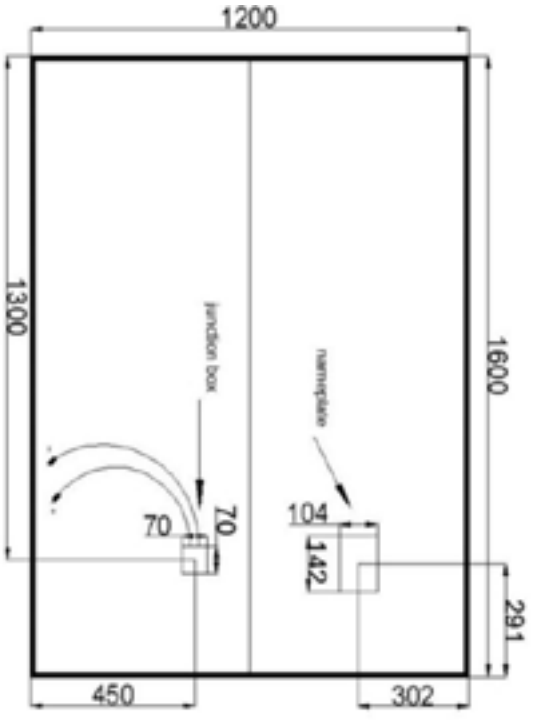
COM-S1 260W at different light intensities



COM-S1 260W at different temperatures



Engineering Drawing



Unit: mm

Electrical Parameters (STC)

Number		COM-S1-270W	COM-S1-260W	COM-S1-250W
Nominal Power	P_{MAX}(W)	270	260	250
Power Tolerance	(%)	±3	±3	±3
Voltage at P_{MAX}	Vmpp(V)	129.3	129.3	129.3
Current at P_{MAX}	Impp(A)	2.15	2.07	1.98
Open Circuit Voltage	Voc(V)	173.8	173.8	173.8
Short Circuit Current	Isc(A)	2.42	2.34	2.26

STC (standard test conditions): irradiance 1000W/m², battery temperature 25℃, air quality AM1.5

Temperature Characteristics

NMOT (Nominal Module Operating Temperature)	42.3±2℃
Temperature Coefficient of P_{MAX}	-0.189%/℃
Temperature Coefficient of Voc	-0.396%/℃
Temperature Coefficient of Isc	+0.061%/℃

Operating Conditions

Maximum System Voltage	1000V
Limiting Reverse Current	3.5A
Operating Temperature Range	-40℃~+85℃
Load Rating(Wind/Snow)	2400Pa/5400Pa
Hail Test	Passed
Protection Class	IP67

Mechanical Data

Module Dimension	1600*1200*37mm
Thickness	17mm
Thickness with Junction Box	37mm
Area	1.92m²
Module Weight	74kg
Leadwire	2.5mm² , 900mm
Bypass Diode	HY6A10S
Front Glass	6mm ultra white float glass
Back Glass	6mm tempered glass
Cell Type	Thin film CdTe semiconductor
Encapsulation	PVB
Number of Cells	215*4

- Please strictly abide by the user manual for product installation.
- Chengdu CNBM reserves the right of final explanation for technical changes and specific explanations of test conditions.

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