

Colored Glaze · Crystal Clear

crystalline silicon, green building materials (BIPV)

Building facade use, can replace traditional curtain wall
or as a facade decoration



Light transmittance can be customized

More transparent: superior light transmission performance to meet architectural lighting needs

Customization: size and shape can be customized

More efficient: high light transmittance, high power generation



More energy efficient, cleaner and more environmentally friendly

Can reduce energy consumption: can reduce building energy consumption by 11%

Can generate electricity: photovoltaic power generation

More environmentally friendly: Opaque cells reduce pollution and are more conducive to human health and the ecological environment



The same lifespan as the building

Superior performance: construction-grade materials, in line with the four-property test of building materials, double waterproof, ClassA fireproof, excellent windproof and seismic performance

Reliable quality: high strength, corrosion resistance, high temperature and humidity resistance, and extreme weather



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ELECTRICAL PARAMETERS

Electrical parameters at standard test conditions (STC)

Product type	JS120DG-18e 1/2	JS360DG-54e 1/2
Power output (P_{max})	120W	360W
Power output tolerances (ΔP_{max})	0-5W	0-5W
Module efficiency (η_m)	16.7%	17.1%
Voltage at Pmax (V_{mpp})	20.5V	61.6V
Current at Pmax (I_{mpp})	5.86A	5.85A
Open-circuit current (V_{oc})	24.6V	73.9V
Short-circuit current (I_{sc})	6.15A	6.14A

STC: 1000W/m² irradiance, 25 degree cell temperature, AM1.5g.

Operating Conditions

Maximum System Voltage	1500V _{DC}
Maximum Fuse Rating	20A
Operating temperature	-40°C ~ +85°C
Max.static load, infront(e.g.,snow and wind)	5400Pa
Max.static load,back(e.g.,wind)	2400Pa
Max.hailstone impact(diameter/velocity)	25mm / 23m/s

Thermal Characteristics

Nominal operating cell temperature	NOCT	°C	45 ± 2
Temperature coefficient of P_{max}	γ	%/°C	-0.36
Temperature coefficient of V_{oc}	β_{Voc}	%/°C	-0.30
Temperature coefficient of I_{sc}	α_{Isc}	%/°C	0.05

Construction Materials

Product type	JS120DG-18e 1/2	JS360DG-54e 1/2
Glass (material / thickness)	low-iron tempered glass / 6mm	low-iron tempered glass / 6mm
Encapsulating material	PVB	PVB
Junction box (protection degree)	≥IP67	≥IP67
Cable (length / cross-sectional area)	300mm / 4mm ² / Customizable	300mm / 4mm ² / Customizable
Plug connector (type / protection degree)	MC4 / IP67	MC4 / IP67
Packing	pallets or wooden box	pallets or wooden box
Dimensions (L / W / TH)	1200*600mm	1780*1180mm
Cell (quantity / material / dimensions)	182*91mm	182*91mm
Cell layout	3*12	9*12
Weight	24kg	70kg

Due to continuous innovation, research and product improvement, the specifications in this product information sheet are subject to change without prior notice. The specifications may deviate slightly and are not guaranteed.

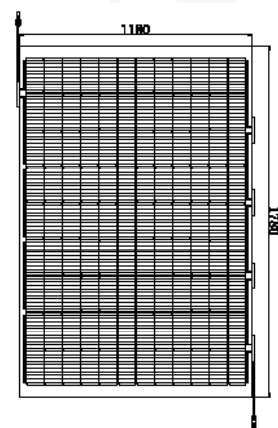
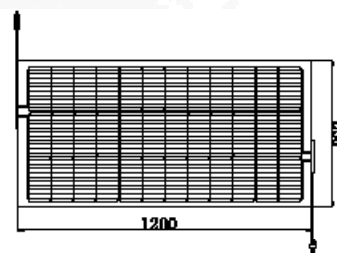
The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module types.

QUALIFICATIONS AND CERTIFICATIONS

IEC 61215, IEC 61730, 3C, ISO 9001:2015, ISO 14001:2015, ISO 45001: 2018.

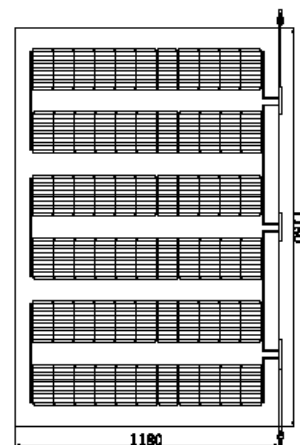
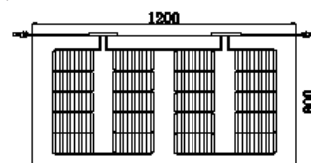
Dimensions

Unit : mm



Various transmittances (customizable)

Unit : mm



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