EXPANDING THE POSSIBILITIES OF ARCHITECTURE

GLASSBEYONDTOMORROW

GOOPV

SoliArc™ Glass

BUILDING-INTEGRATED PHOTOVOLTAIC GLASS

Building-Integrated Light-Energy Glass

A SMARTER BUILT ENVIRONMENT



MODULE DIMENSIONS

2 × 2 | 2 × 3 | 3 × 2 | 3 × 3 | 3 × 4 | 3 × 5

01 MODULENAMES&DIMENSIONS

GOOPV-02X2A-050BGM	GOOPV-02X3A-080BGM	GOOPV-03X2A-080BGM	GOOPV-03X3A-125BGM	GOOPV-03X4A-165BGM	GOOPV-03X5A-210BGM
2 × 2	2 × 3	3 × 2	3 × 3	3 × 4	3 × 5
784 × 984 mm	784 × 1454 mm	1154 × 984 mm	1154 × 1454 mm	1154 × 1924 mm	1154 × 2394 mm

02 BASICSPECIFICATIONS

Item	Unit	2 × 2	2 × 3	3 × 2	3 × 3	3 × 4	3 × 5
Module Dimensions (W × H)	mm	784 × 984	784 × 1454	1154 × 984	1154 × 1454	1154 × 1924	1154 × 2394
Overall Dimensions Including Junction Box (W × H)	mm	784 × 994	784 × 1464	1154 × 994	1154 × 1464	1154 × 1934	1154 × 2404
Approximate Weight	kg	27	40	40	59	78	120
Tempered Glass Thickness (Front / Rear) [Customizable]	mm	6 / 6	6 / 6	6 / 6	6 / 6	6 / 6	8 / 8
Air Gap Width [Customizable]	mm	12 mm					
Junction Box	–	IP68 Protection Rating					
Cable	–	4.0 mm^2 (IEC) / 12 AWG (UL)					
Connector	–	MC4 Compatible Connector					
Wind Load Resistance	–	Maximum instantaneous wind speed > 56.1 m/s (> 202 km/h), equivalent to wind force level 17					
System Operating Conditions	–	Maximum System Voltage: 1000 VDC / Maximum Reverse Current: 15 A / Operating Temperature: -40 to +85°C					

※Tempered glass thickness can be customized according to project requirements.

03 POWERGENERATION

Item	Unit	2 × 2	2 × 3	3 × 2	3 × 3	3 × 4	3 × 5
Cell Efficiency	%	11 %					
Output per Effective Cell Area	W/m^2	≥ 100(Module Power per Unit Area ≥ 70 W/m^2)					
Maximum Power (Pmax)	W	50	80	80	125	165	210
Short-Circuit Current (Isc)	A	0.84	1.26	2.83	4.41	5.82	7.41
Open-Circuit Voltage (Voc)	V	105.20	105.20	51.50	51.50	51.50	51.50
Current at Maximum Power (Imp)	A	0.71	1.08	2.21	3.45	4.56	5.80
Voltage at Maximum Power (Vmp)	V	70.70	70.70	36.20	36.20	36.20	36.20
Short-Circuit Current Temperature Coefficient (αIsc)	%/°C	-0.006					
Open-Circuit Voltage Temperature Coefficient (βVoc)	%/°C	-0.083					
Maximum Power Temperature Coefficient (γPmax)	%/°C	+0.094					

04 OPTICAL&THERMALPERFORMANCE

Item	Unit	Specification	Test Standard
Visible Light Transmittance (VLT)	%	10% ± 2%	ISO 9050
Visible Light Reflectance (VLR)	%	< 5%	ISO 9050
Shading Coefficient(SC)	–	≤ 0.13	ISO 9050 / Sc=SHGC/0.88
Thermal Transmittance (U-value)	$W/m^2·K$	≤ 1.2	ISO 10292

The information provided in this table is for product catalogue reference only. Actual specifications may vary depending on product design, glass configuration, customization requirements, and project-specific conditions. Please refer to the latest official documentation issued by the company.