



CERAMICA
ENERGY

PATTERNED Modules

Glas / Glas - Facade - BIPV - Module

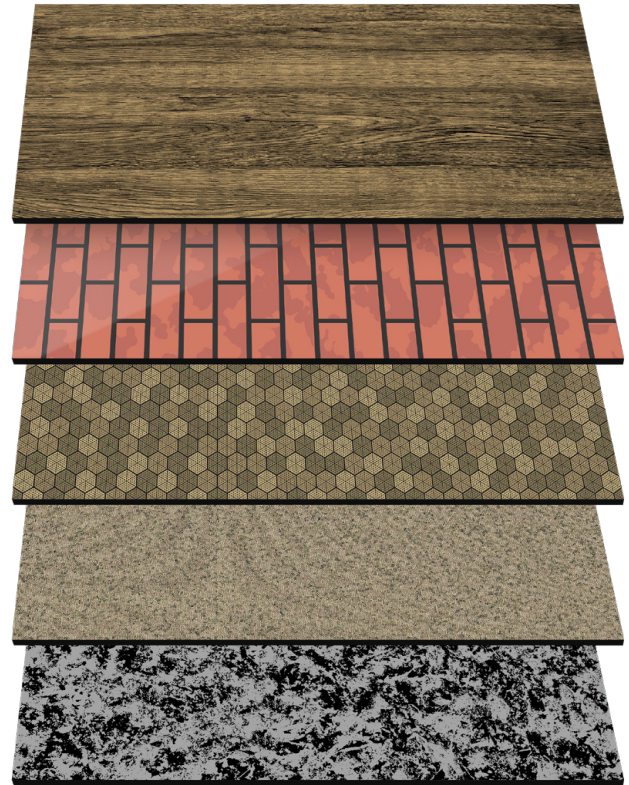
BIPV18N 130-390W

TOPCon - Bifacial Module
> 20.0 % Efficiency

Safety anti-reflection glass with 2x 3,2mm glass

Cells are sealed with PVB for increased reliability
and longevity

25 YEARS Product warranty
30 YEARS linear performance guarantee



These modules features mild colors, rich textures, and distinct stripes that highlight its cultural and historical significance while seamlessly integrating concealed solar cells. These high-efficiency photovoltaic modules, with an efficiency reaching almost 20%, are crafted using innovative components and advanced production techniques, ensuring color stability for up to 10 years. Additionally, they are rated for Fire Class A and offer excellent wind resistance, ensuring both safety and durability.



Superior Temperature Performance

Improved Output: Lower operating temperatures enhance overall performance, allowing the module to generate more power.



Long-Term Reliability

Durable Construction: Modules are constructed with reinforced glass to withstand harsh weather conditions and reduce the risk of cell damage, ensuring greater longevity.

Creativity should have no limits








These modules are available in any customized dimensions and patterns you desire.



Certificates & Test Reports

IEC61215, IEC61730
ISO9001, ISO 14001, ISO 45001
Ammonia, Sand and Salt Resistance
HW4 Hail Impact Protection Register
Carbon Footprint & WEEE Recycling Partner.

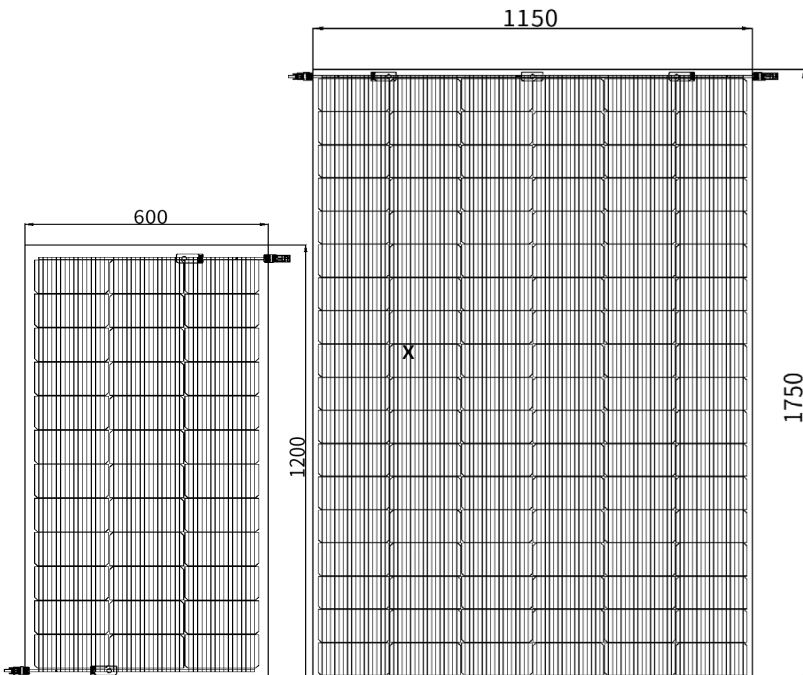
Product Specification	STC									
										
Module Type	PA1	PA2	PB1	PB2	PC1	PC2	PD1	PD2	PE1	PE2
Maximum Power (Pmax) in Wp	130	395	125	380	130	390	100	300	105	315
Open-circuit Voltage (Voc) in V	26,20	78,60	26,10	78,00	26,20	78,20	25,80	77,00	25,90	77,60
Short-circuit Current (Isc) in A	6,24	6,30	6,02	6,01	6,24	6,29	4,88	4,90	5,17	5,17
Maximum Power Voltage (Vmp) in V	21,90	65,80	21,80	65,10	21,90	65,40	21,50	64,20	21,50	64,50
Maximum Power Current (Imp) in A	5,94	6,00	5,73	5,68	5,94	5,96	4,65	4,67	4,88	4,90

*Standard Test Conditions STC: Irradiance 1000 W/m² - Spectra 1.5 - Ambient Temperature 25 °C

Module Efficiency STC in %	18,0	19,6	17,3	18,8	18,0	19,3	13,9	14,9	14,6	15,6
Operating Temperature in °C	-40 ~ +85									
Maximum system voltage in V (DC)	1500									
Maximum series fuse rating in A	30									
Power tolerance in Wp	0 ~ + 5									
Temperature coefficients of Pmax in % / °C	-0,30									
Temperature coefficients of Voc in % / °C	-0,25									
Temperature coefficients of Isc in % / °C	+0,045									
Nominal Operating Cell Temperature (NOCT) °C	45 +/- 2									

Mechanical Characteristics	
Dimensions in mm	1: 1200 x 600 x 8 /// 2: 1750 x 1150 x 8
Weight in kg	1: 13 /// 2: 36
Front / Back Glass	2 x 3,2 mm Anti-Reflection Coating
Cell Type (Half Cut)	M10 N-Type Mono-Crystalline (180mm)
No. Of cells	1: 36 /// 2: 108
Junction Box IP 67 - Cable (4mm ²) in mm - MC4-Evo2	1: 300 /// 2: 1200
Nominal Static Load Front / Rear in Pa	5.400 / 2.400
Hail Impact Protection Register	HW3

Packaging Configuration	(One pallet = One stack)
	1200x600x8: 40pcs / pallet; 720pcs / 40"HQ CTN /// 1750x1150x8: 40pcs / pallet; 560pcs / 40"HQ CTN

Engineering Drawings	Key Features
	Safety anti-reflection glass with low reflection
	Cells are sealed with PVB for increased reliability and longevity
	Reliable Ammonia, Sand and Salt Resistance for a better performance
	HW3 Hail Impact Protection Register
	Certification and Reability
	IEC61215, IEC61730
	ISO9001, ISO 14001, ISO 45001
	Fire class A, Carbon Footprint & WEEE Partner
	25 years manufacturer's warranty 30 years linear performance guarantee 0,40% Annual Degradation over 30 years
	10-year pattern guarantee with no more than 5% change

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