

Solar PV & BIPV · Ventilated façades

Far East LIGHT Pro Facade – BIPV ventilated-façade module (ABC 144 cells)

A 1128 × 2278 mm coloured-glass BIPV module with 144 back-contact cells and a metal strengthening structure, mounted like stone or aluminium cladding.

Product code: **SPC-PV-FE-PROF**



Use case

An office building gets a new ventilated façade. Instead of aluminium panels, the opaque areas are clad with LIGHT Pro Facade modules in Slate Gray.

From the street the façade reads as one uniform grey cladding, and the energy it generates goes to the building's common areas and EV chargers.

Price on request — official price list coming soon.

How it works

Looks like cladding

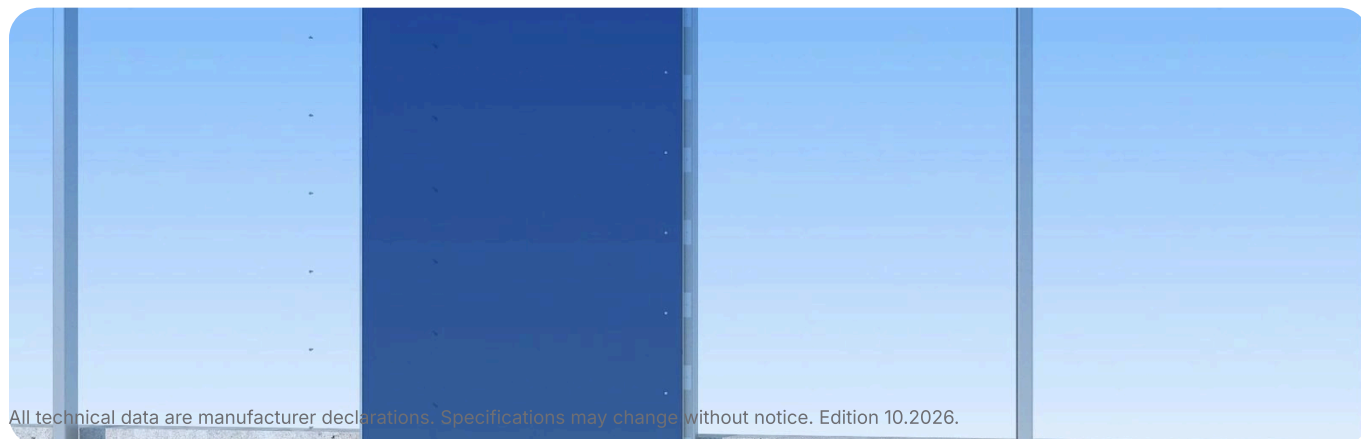
Coloured enamel glass hides the cells. Five standard colours, plus custom colours and stone-grain finishes for LIGHT Pro facade.

Built like a façade panel

Glazed glass, interlayer, cells, interlayer, glass and a metal strengthening structure. Fixed with embedded nuts and bolts.

Tested as a curtain wall

The manufacturer reports 15.4 kPa static wind pressure, Class A fire rating, air tightness EN A4 and water tightness RE in EN/BS curtain wall tests.



All technical data are manufacturer declarations. Specifications may change without notice. Edition 10.2026.

Specifications

PARAMETER	VALUE
Manufacturer	Far East Green Energy (Far East Green Energy Technology (Guangdong) Co., Ltd.)
Product	LIGHT Pro Facade
Cells	ABC (all back contact), 144 (72 × 2)
Size	1128 × 2278 mm (± 1.0 mm), custom sizes available
Weight	64 kg
Wind pressure (curtain wall test)	15.4 kPa static, as reported by the manufacturer
Installation	embedded nuts and bolts on the façade substructure
Junction box	IP68
Output cable (with connectors)	4.0 mm ² , ±650 mm or custom
Glass	double glass: 3.2 mm coloured enamel glass + 2 mm semi-tempered glass (customisable)
Power tolerance	± 5 W
Operating temperature	−40 °C to +85 °C
Nominal operating cell temperature	45 ± 2 °C
Fire rating (module)	Class A (IEC 61730 / UL 790)
Max. static load (rear side)	9000 Pa
Hail test	25 mm hailstone at 23 m/s
Colours and power per m ²	Dawn Blue, Slate Gray, Sage Green: 200–210 W/m ² · Antique Gold: 160–170 W/m ² · Ruby Red: 150–160 W/m ² (other colours on request)
Efficiency and degradation	Max. conversion efficiency 21% · first-year degradation < 1.0% · ≤ 0.5% per year in years 2–25 (manufacturer's linear curve: 85% after 25 years)
Warranty	30-year long-term warranty (manufacturer's company introduction 2026); warranty terms confirmed per project
Certificates (manufacturer documents)	TÜV Rheinland PV 50661663 0001 (IEC/EN 61215, IEC/EN 61730, valid until 22.01.2030) · TÜV Rheinland BIPV module PV 50663191 0001 (2 PfG 2796/02.22, valid until 22.01.2030) · TÜV NORD 44 780 24 406749-225 (IEC 61215/61730, valid until 07.07.2029) · TÜV NORD LVD 2014/35/EU 44 799 24 406749-230 · TÜV NORD salt mist IEC 61701 44 780 24 406749-276 (valid until 14.07.2029). Model coverage per certificate annex, confirmed per project.

Manufacturer: Far East Green Energy Technology (Guangdong) Co., Ltd. (Far East Green Energy), Zhuhai, Guangdong, China · tel. +86 756 779 0830 · fepv@fefacade.com · www.febipv.com. Certificate holder: Far East Photovoltaic Technology (Guangdong) Co., Ltd., Room 114-1295, Government Service Center, Building 2, Citizen Service Center, No. 868 Hengqin Gang'ao Avenue, 519000 Zhuhai, Guangdong, China. Offered and supported in Poland by Space BMS sp. z o.o.

Detailed technical documentation and drawings are available on request.

How we work with you

- Site visit and roof or car-park survey.
- Yield estimate and system layout for your building.
- Structural and grid-connection check with your designer.
- Installation by qualified partners and commissioning.

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