



E-Line Solar

Balcony Railings with Solar Panels

Electrical parameters

Standard Test Conditions (irradiance 1000 W/m², spectrum AM 1.5, cell temperature 25 °C)

Maximum Power	P _{mpp} (W)	193
Power Tolerance		+3/-3% W
Module Efficiency	(η)	~17-18%
Max Power Voltage	V _{mpp} (V)	23
Max Power Current	I _{mpp} (A)	8.4
Open Circuit Voltage	V _{oc} (V)	27.3
Short Circuit Current	I _{sc} (A)	8.8
Max System Voltage	V _{DC}	1000
Max Current	(A)	15

Mechanical parameters

Number of Cells	42
Cell Technology	Mono C-Si
Cell Size	156.75 x 156.75 mm
Railing Material	Aluminium powder painted
Front and Back glass	2x4 mm tempered glass
Dimensions	1089 x 1262 mm
Weight	32.6 kg
Solar Panel Measurements	1020 x 1226 mm
Solar Panel Weight	25.9 kg
Column Weight	2.7 kg
Handrail Weight	1.3 kg
Connectors	IP67
Junction Box	IP67
Operating Temperature	-40 °C ... +85 °C
Environmental Class	C4

Safety

- Innore Solar balcony railings with solar panels completed and passed Electrical Shock Hazard Tests by Kiwa Inspecta Estonia OÜ according to standard EVS-EN IEC 61730-2:2018.
- Balcony railing complies with the railing requirements.
- The manufacturer declares in a declaration of conformity, that the product complies with the directives of the European Union.

Warranty

- Product warranty: 5 years for defects
- Linear power warranty: 80% power output after 25 years
- Balcony railings estimated useful lifetime is 25 years

INNORE AS

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Certificates and memberships



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