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IntelliGate Balcony

Balcony PV System Control Unit

The Solarnative IntelliGate Balcony monitors and controls your balcony PV system making sure your power plant complies with local regulations while allowing you to maximize your energy yield.

Key Features

Higher energy yield
Thanks to flexible limitation of feed-in power

Upgradeable from 600W to 800W
By remote update

Easy installation
Plug & Play

European quality
Made in Germany
Data hosting in Europe

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Technical Data

Connections	IntelliGate Balcony
Inverters	Solarnative AC connector for Connection Cable Balcony
Max. current	6 A, self-regulated system
Grid connection	Schuko plug
Nominal grid voltage / frequency	230 V / 50 Hz
Overvoltage Class	II

Connectivity	IntelliGate Balcony
Inverter	Power-line communication
Cloud Server	Wi-Fi

General Data	IntelliGate Balcony
Ambient temperature range	-40 °C to +65 °C
Dimensions (length x width x height)	210 mm x 41.8 mm x 28.8 mm
Weight	100 g
Protection degree	IP65
Noise emission	< 40 dB
Installation height for housing	Max. 2.00 m from ground / Power outlet max. 2.50 m from ground

Compliance	IntelliGate Balcony
Certifications (pending)	CE, EN IEC 62368-1:2020 + A11:2020

Balcony PV System Architecture
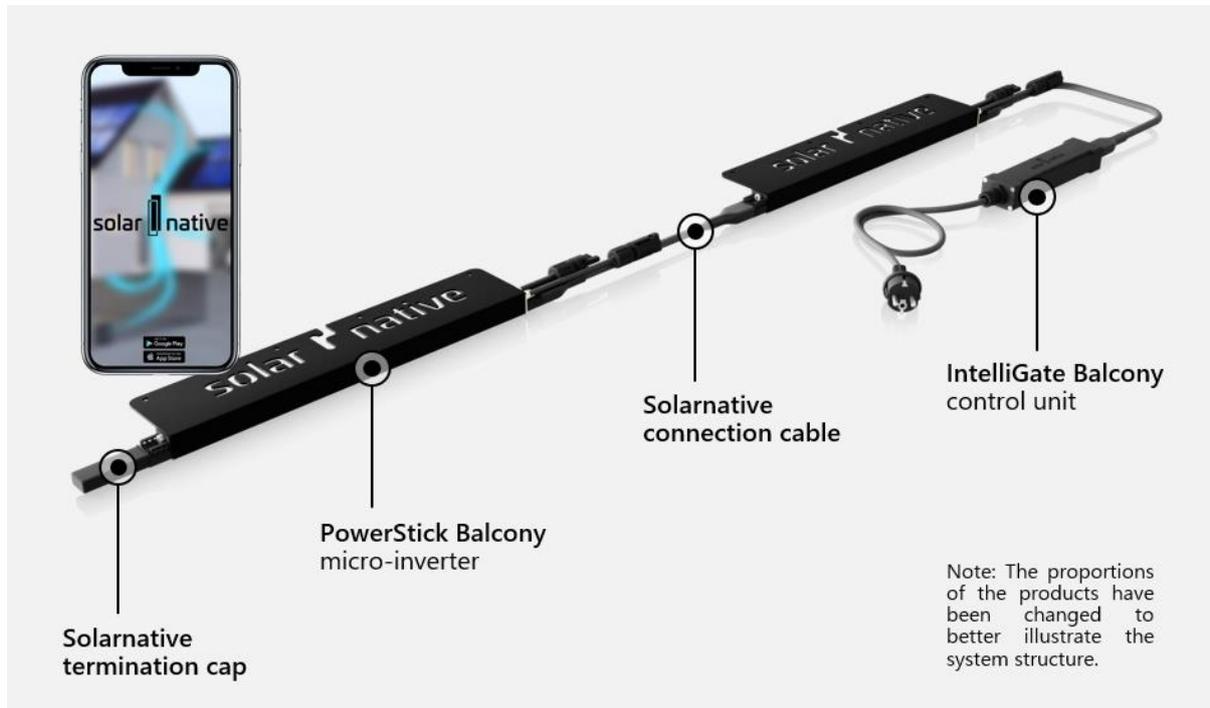
Illustration: Example setup with two PV modules

System	Solarnative Balcony System
Maximum current per string	6 A
Number of inverters per string	Recommended: 3 inverters per string. Self-regulated system. No minimum number of inverters.
System components	PowerStick Balcony, Connection Cable Balcony, Termination Cap, IntelliGate Balcony
Connectivity	IntelliGate Balcony to PowerStick Balcony: Power-line communication IntelliGate Balcony to Cloud Server: Wi-Fi