

PowerStick

Balcony 350

Micro-Inverter for balcony PV systems

Based on our unique high-frequency technology, the Solarnative PowerStick Balcony 350 is the smallest and fastest PV inverter in the world. Thanks to its unique miniaturized design and light weight, this micro-inverter can be mounted to any subconstruction, balcony rail, or even the module frame.



Key Features



Maximum energy yield

Thanks to flexible limitation of feed-in power by Solarnative IntelliGate Balcony



Upgradeable from 600W to 800W

By remote update



Highest quality

12 years limited warranty

Reduced component count leads to minimized failure rates

Made in Germany



Easy installation

Plug & Play

Technical Data

Input (DC)	PSB-350-10
Recommended module power	Up to 440 Wp
DC connector	Stäubli MC4
MPP voltage range	25 V – 60 V
Max. voltage	60 V
Max. current	20 A
Over-voltage class	II

Output (AC)	PSB-350-10
Rated power (@ 230 V, 50Hz)	350 W
Rated apparent power	350 VA
Nominal voltage / Grid frequency	230 V / 50 Hz
Max. current	1.5 A
Max. power factor	> 0.99
Adjustable power factor	0.95 overexcited to 0.95 underexcited
Over-voltage class	II
Feed-in phases / Connection phases	1 / 1
NS-protection	Integrated

Efficiency	PSB-350-10
Max. efficiency / European efficiency	> 96.5 % / > 96 %

General Data	PSB-350-10
Ambient temperature range	-40 °C to +65 °C
Dimensions without DC connectors (length x width x height)	380 mm x 75 mm x 24 mm
Weight	450 g
Cooling	Natural convection
Degree of protection	IP65
Noise emission	< 40 dB

Compliance	PSB-350-10
Certifications (pending)	CE, DIN EN/IEC 62109-1/2, VDE-AR-N 4105:2018

Balcony PV System Architecture

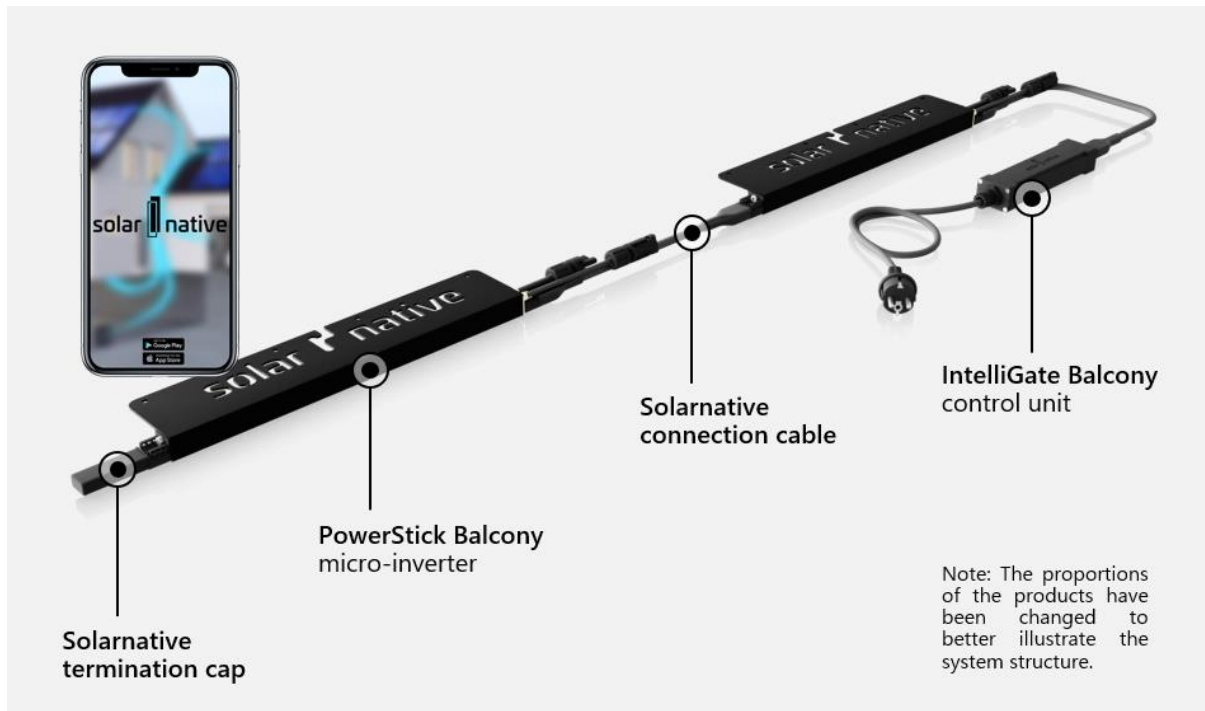


Illustration: Example setup with two PV modules

System	PSB-350-10
Max. current per string	6 A
Number of inverters per string	Recommended: up to 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