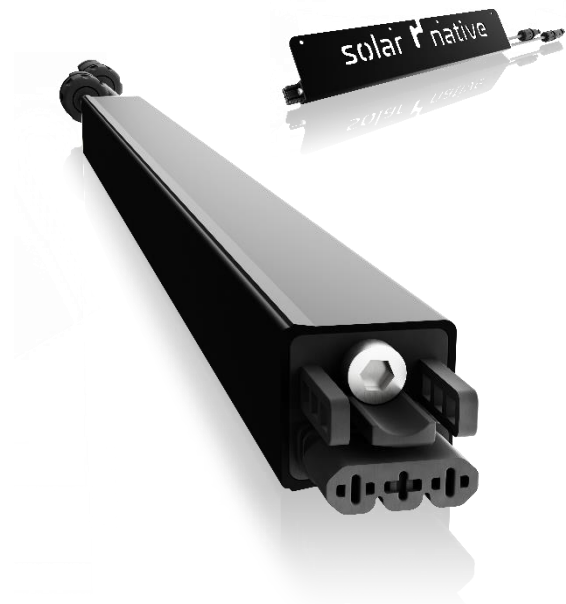


PowerStick

350

Micro-Inverter for PV Modules

Based on our unique high-frequency technology, the PowerStick 350 is the smallest and fastest inverter in the world. It is available as standalone version with mounting plate and as integrated version for customized applications.



Key Features



Maximized energy yield
Module-level MPP tracking
Superior low-light performance
Enables maximum use of rooftop space



Highest reliability
25 years limited warranty
Reduced component count leads to lower failure rates



Easy installation
Plug & Play
No data cables
Automatic device detection
Automatic mapping
Remote over-the-air commissioning



Inherent safety
No high DC voltages during installation and operation (no risk of fire)
Self-limiting string design
Integrated NS protection

Models

PS-350-10: Standalone version with mounting plate.

PSX-350-10: Integrated version without mounting plate for customized applications; application-based approval by Solarnative required.

Technical Data

Input (DC)	PS-350-10	PSX-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)	PS-350-10	PSX-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	0.9 overexcited to 0.9 underexcited	
Over-voltage class	II	
Feed-in phases / Connection phases	1 / 1	
NS-protection	Integrated	

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

General Data	PS-350-10	PSX-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	380 mm x 23 mm x 24 mm
Weight	450 g	350 g
Cooling	Natural convection	
Degree of protection	IP65	
Noise emission	< 40 dB	

Compliance	PS-350-10	PSX-350-10
Certifications (pending)	C10/11:2021 Edition 2.1, CE, CEI 0-21:2022, DIN EN/IEC 62109-1/2, EN50549-10:2022, G99/NI:2019, NTS:2020, TOR Erzeuger Typ A:2019, VDE-AR-N 4105:2018, DIN VDE 0126-1-1/A1 + VFR 2019,	

PV System Architecture

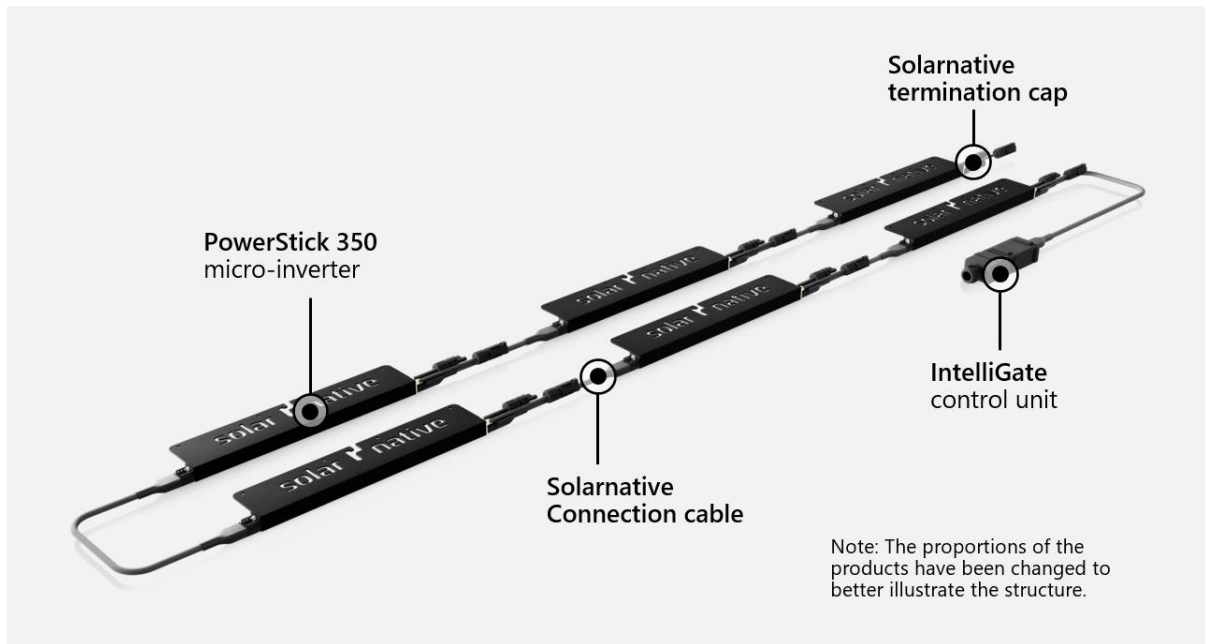


Illustration: Example setup with six PV modules

System	PS-350-10	PSX-350-10
Maximum current per string		20 A
Number of inverters per string	Unlimited. Self-regulated system. No minimum number of inverters.	
Recommended maximum number of inverters per string	South orientation: up to 13 modules East-West orientation: up to 20 modules facing east + up to 20 modules facing west	
System components	PowerStick, Connection Cable, Termination Cap, IntelliGate (optional: PowerMeter)	
Connectivity	IntelliGate to PowerStick: Power-line communication IntelliGate to Cloud Server: LTE (4G) IntelliGate to other system components: LoRa	