



# SOLENSO

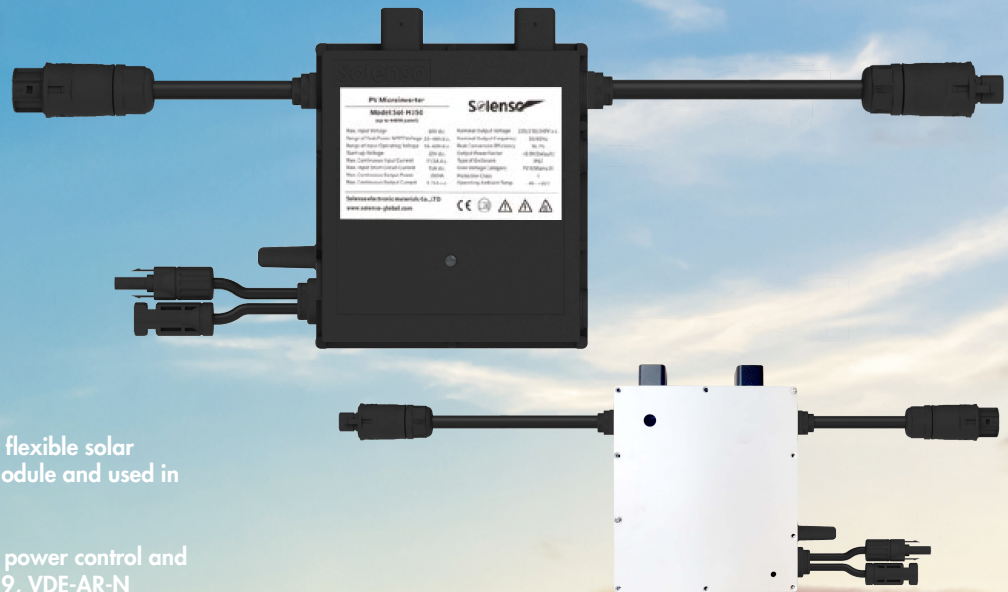
## Microinverter

Sol-H350H  
Sol-H400H

### Description

Solenso 1-in-1 microinverter is one of the most flexible solar solutions, which can be connected to one PV module and used in various settings.

All of these models are equipped with reactive power control and can meet the requirements of EN 50549-1:2019, VDE-AR-N 4105:2018, UL 1741, etc. They're also designed with external antenna for stronger communication with Solenso gateway DTU.



Safer



Smarter



More Powerful



More Reliable

### Product Highlights

- Easy installation, just plug and play
- External antenna for stronger communication with DTU
- With Reactive Power Control, compliant with VDE-AR-N 4105: 2018 & EN 50549-1: 2019
- High reliability: NEMA 6 (IP67) enclosure, 6000 V surge protection

# Technical Specifications

Model	Sol-H350H	Sol-H400H
<b>Input Data (DC)</b>		
Commonly used module power (W)	280 to 470+	320 to 540+
Maximum input voltage (V)		60
MPPT voltage range (V)		16-60
Start-up voltage (V)		22
Maximum input current (A)	11.5	12.5
Maximum input short circuit current (A)		15
<b>Output Data (AC)</b>		
Rated output power (VA)	350	400
Rated output current (A)	1.52	1.74
Nominal output voltage/range (V) <sup>1</sup>		230/180-275
Nominal frequency/range (Hz) <sup>1</sup>		50/45-55
Power factor (adjustable)		>0.99 default (0.8 leading...0.8 lagging)
Total harmonic distortion		<3%
Maximum units per branch <sup>2</sup>	14	12
<b>Efficiency</b>		
CEC peak efficiency		96.7%
CEC weighted efficiency		96.5%
Nominal MPPT efficiency		99.8%
Nighttime power consumption (mW)		<50
<b>Mechanical Data</b>		
Ambient temperature range (°C)		-40 to +65
Dimensions (W × H × D mm)		182 × 164 × 29.5
Weight (kg)		1.75
Enclosure rating		Outdoor-NEMA 6 (IP67)
Cooling		Natural convection – No fans
<b>Features</b>		
Communication		2.4GHz Proprietary RF (Nordic)
Monitoring		Solenso monitoring platform <sup>3</sup>
Warranty		Up to 25 years
Compliance		VDE-AR-N 4105: 2018, EN 50549-1: 2019, VFR 2019, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3
Type of isolation		Galvanically Isolated HF Transformer

\*1 Nominal voltage/frequency range can vary depending on local requirements.

\*2 Refer to local requirements for exact number of microinverters per branch.

\*3 Solenso Monitoring System.