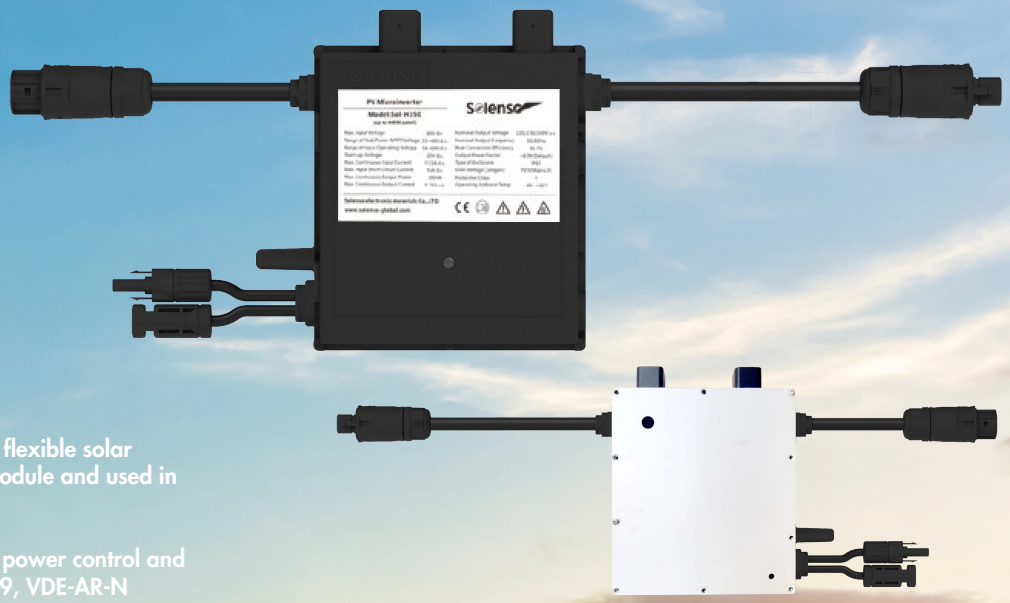
Solenso

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.

15 YEAR WARRANTY

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
Input Data (DC)		
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	
Output Data (AC)		
Rated output power (VA)	350	400
Rated output current (A)	1.52	1.74
Nominal output voltage/range (V)[1]	230/180-275	
Nominal frequency/range (Hz)[1]	50/45-55	
Power factor (adjustable)	>0.99 default (0.8 leading...0.8 lagging)	
Total harmonic distortion	<3%	
Maximum units per branch[2]	14	12
Efficiency		
CEC peak efficiency	96.7%	
CEC weighted efficiency	96.5%	
Nominal MPPT efficiency	99.8%	
Nighttime power consumption (mW)	<50	
Mechanical Data		
Ambient temperature range (°C)	-40 to +65	
Dimensions (W × H × D mm)	184 × 164 × 26	
Weight (kg)	1.75	
Enclosure rating	Outdoor-NEMA 6 (IP67)	
Cooling	Natural convection – No fans	
Features		
Communication	2.4GHz Proprietary RF (Nordic)	
Monitoring	Solenso monitoring platform[3]	
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.

MECHANICAL SPECIFICATION