

SOLENSO

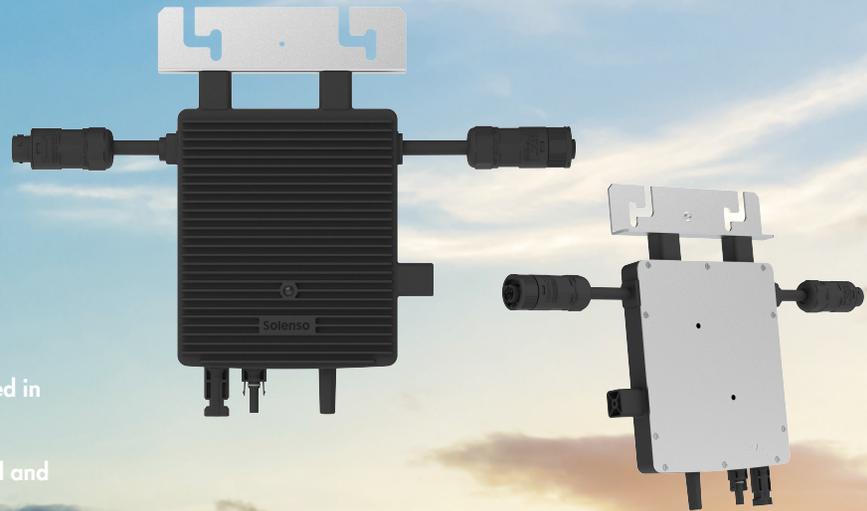
Microinverter

Sol-H450
Sol-H500 **H2H version**

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.



Product Highlights

- Easy installation, just plug and play
- External antenna for stronger communication with DTU-SLT
- 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-H450	Sol-H500
Input Data (DC)		
Commonly used module power (Wp)	360 ~ 600+	400 ~ 670+
MPPT voltage range (V)		16 ~ 48
Start-up voltage (V)		22
Operating voltage range (V)		16 ~ 60
Maximum input voltage (V)		60
Maximum input current (A)	1 * 15	1 * 16
Maximum input short current (A)		25
Output Data (AC)		
Rated output power (VA)	450	500
Rated output current (A)	1.97	2.17
Nominal output voltage /range (V)		230 / 180 - 270 ^①
Nominal frequency /range (Hz)		50 / 45 - 55 ^①
Displacement power factor (adjustable)		0.8 leading to 0.8 lagging
Total harmonic distortion		< 3%
Maximum units per branch (12AWG)	10	9
Efficiency		
CEC peak efficiency		96.50%
Nominal MPPT efficiency		99.50%
Nominal power consumption (mW)		< 50
Mechanical Data		
Ambient temperature range (°C)		-40 ~ +65
Dimensions (WxHxD mm)		193 x 165 x 32
Weight (kg)		1.7
Enclosure rating		IP67
Cooling		Natural convection
Features		
Communication		2.4G Hz Proprietary RF (Nordic)
Isolation type		High Frequency Transformers (Galvanically Isolated)
Monitoring		Sofia Pro Cloud ^②
Compliance		VDE-R-N 4105:2018, EN 50549-1:2019, VER 2019, IEC/EN 62109-1/-2, IEC/EN 6100-6-1/-2-3/-4, ICE/EN 61000-3-2/-3

① Nominal voltage/frequency range can be changed due to the requirements of local power department

② Solenso Monitoring System

MECHANICAL SPECIFICATION

