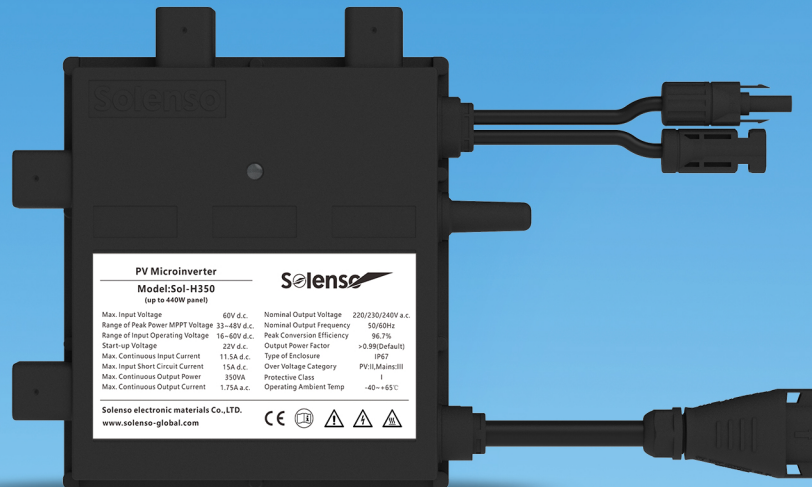




Sol-H350/Sol-H400 Technical Specifications

The Sol-H350/400 specially developed for AC photovoltaic modules. It has the characteristics of thin thickness, large power, easy installation and balanced heat dissipation.

Features

Smaller and Higher power

Specific designed for AC Module,
Easy installation, output power up to 400VA.

Safe and Stable

Safer for rooftop solar stations with rapid shutdown compliant and isolated transformer. External antenna for stronger communication with DTU.

More Flexible

Each microinverter connect to single modules, Independent MPPT and monitoring makes greater energy harvest and easier maintenance.

Reactive Power Control

Meets the requirements of EN50549-1:2019, VDE-AR-N 4105:2018, VFR 2019, etc.

High Reliability

IP67 / NEMA6 enclosure; 6000V surge protection

 sales@solenso-global.com

 www.solenso-global.com

Model	Sol-H350	Sol-H400
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Input Data (DC)

Commonly used module power (W)	280~440	320~500
Module compatibility	60-cell or 72-cell PV modules	60-cell or 72-cell PV modules
Peak power MPPT voltage range (V)	33~48	34~48
Start-up voltage (V)	22	22
Operating voltage range (V)	16~60	16~60
Maximum input voltage (V)	60	60
Maximum input current (A)	11.5	12.5

Output Data (AC)

Rated output power (VA)	350	400
Rated output current(A)	1.59 / 1.52 / 1.46	1.82 / 1.74 / 1.67
Nominal output voltage (V)	220 / 230 / 240	220 / 230 / 240
Nominal output voltage range (V) ¹	180-275	180-275
Nominal frequency/range (Hz) ¹	50/45-55 or 60/55-65	50/45-55 or 60/55-65
Power factor (adjustable)	>0.99 default 0.8 leading...0.8 lagging	>0.99 default 0.8 leading...0.8 lagging
Total harmonic distortion	<3%	<3%
Maximum units per branch(12AWG) ²	14 / 14 / 14	12 / 12 / 12
Maximum units per branch(10AWG) ²	18 / 19 / 20	16 / 17 / 18

Efficiency

CEC peak efficiency	96.70%	96.70%
CEC weighted efficiency	96.50%	96.50%
Nominal MPPT efficiency	99.80%	99.80%
Nighttime power consumption (mW)	<50	<50

Mechanical Data

Ambient temperature range (°C)	-40~+65
Dimensions (W×H×D mm)	184.5 x 204.5 x 26
Weight (kg)	1.75
Enclosure rating	Outdoor-NEMA (IP67)
Cooling	Natural convection – No fans

Features

Communication	2.4GHz RF
Monitoring	Solenso Monitoring System
Warranty	Up to 25 years
Compliance	EN 50549-1: 2019, VDE-R-N 4105: 2018, VFR 2019, IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 61000-3-2/-3

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

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