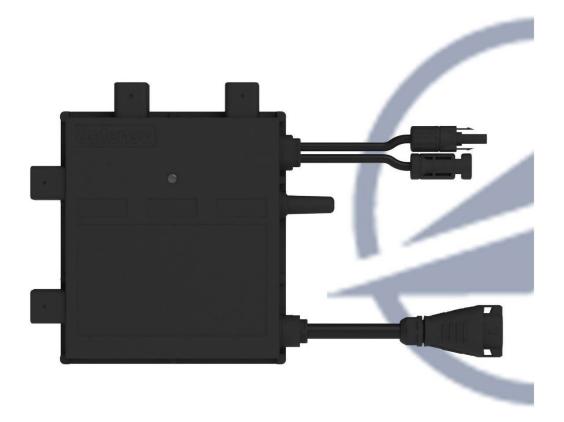


User Manual

- Sol-H350 - Sol-H400



About Microinverter

This system is composed of a group of Microinverters that convert direct current (DC) into alternating current (AC) and feeds it into the public grid. The system is designed for the incorporation of one Microinverter for two photovoltaic modules. Each Microinverter works independently that guarantees the maximum power generation of each photovoltaic module. This setup enables user to control the production of a single photovoltaic module directly, consequently improving the flexibility and reliability of the system.

About the Manual

This manual contains important instructions for the Sol-H350/ Sol-H400 Microinverter and must be read in its entirety before installing or commissioning the equipment. For safety, only qualified technician, who has received training or has demonstrated skills can install and maintain this Microinverter under the guide of this document.

Other Information

Product information is subject to change without notice. User manual will be updated frequently, please refer to Solenso official website at www.solenso-global.com for the latest version.

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1. Important Notes

1.1 Product Range

This manual describes the assembly, installation, commissioning, maintenance and failure search of the following model of Solenso Microinverter:

Sol-H350

Sol-H400

*Note: "350" means 350W, "400" means 400W.

1.2 Target Group

This manual is only for qualified technician, who has been trained or has demonstrated skills can install and maintain this Microinverter under the guide of this document for safety purpose.

1.3 Symbols Used

The safety symbols in this user manual are show as below.

Symbol	Usage
No DANGER	Indicates a hazardous situation that can result in deadly electric shock hazards, other serious physical injury, or fire hazards.
WARING	Indicates directions which must be fully understood and followed in entirety in order to avoid potential safety hazards including equipment damage or personal injury.
CAUTION	Indicates this points out that the described operation must not be carried out. The reader should stop, use caution and fully understand the operations explained before proceeding.

2. About Safety

2.1 Important Safety Instructions

The Sol-H350/ Sol-H400 Microinverter is designed and tested according to international safety requirements. However, certain safety precautions must be taken when installing and operating this inverter. The installer must read and follow all instructions, cautions and warnings in this installation manual.

All operations including transport, installation, start-up and maintenance, must be carried out by qualified, trained personnel.

Before installation, check the unit to ensure free of any transport or handling damage, which could affect insulation integrity or safety clearances. Choose installation location carefully and adhere to specified cooling requirements. Unauthorized removal of necessary protections, improper use, incorrect installation and operation may lead to serious safety and shock hazards or equipment damage.

Before connecting the Microinverter to the power distribution grid, contact the local power distribution grid company to get appropriate approvals. This connection must be made only by qualified technical personnel. It is the responsibility of the installer to provide external disconnect switches and Over current Protection Devices (OCPD).

Only one PV module can be connected to one input of the inverter. Do not connect batteries or other sources of power supply. The inverter can be used only if all the technical characteristics are observed and applied.

Do not install the equipment in adverse environment conditions such as flammable, explosive, corrosive, extreme high or low temperature, and humid. Do not use the equipment when the safety devices do not work or disabled.

Use personal protective equipment, including gloves and eye protection during the installation.

Inform the manufacturer about non-standard installation conditions.

Do not use the equipment if any operating anomalies are found. Avoid temporary repairs.

All repairs should be carried out using only qualified spare parts, which must be installed in accordance with their intended use and by a licensed contractor or authorized Solenso service representative.

Liabilities arising from commercial components are delegated to their respective manufacturers.

Anytime the inverter has been disconnected from the public network, please be extremely caution as some components can retain charge sufficient to create a shock hazard. Prior to touching any part of the inverter please ensure surfaces and equipment are under touch safe temperatures and voltage potentials before proceeding.

Solenso accepts No liability for damage from incorrect or improper operation.

Electrical Installation & Maintenance shall be conducted by licensed electrician and shall comply with Local Wiring Rules.

2.2 Explanation of Symbols

Symbol	Usage
	Treatment To comply with European Directive 2002/96/EC on waste Electrical and Electronic Equipment and its implementation as national law, electrical equipment that has reached the end of its life must be collected separately and returned to an approved recycling facility. Any device no longer required must be returned to an authorized dealer or approved collection and recycling facility.
<u>^</u>	Caution Do not come within 8 inches (20cm) of the microinverter for any length of time while it is in operation.

4	Danger of high voltages Danger to life due to high voltage in the microinverter.
	Beware of hot surface The inverter can become hot during operation. Avoid contact with metal surfaces during operation.
C€	CE mark The inverter complies with the requirements of the Low Voltage Directive for the European Union.
	Read manual first Please read the installation manual first before installation, operation and maintenance.

2.3 Radio Interference Statement

This microinverter has been tested and found to comply with the limits for CE EMC, which can provide reasonable protection against harmful energy. However, if not installed according to the instructions, the microinverter may cause harmful interference to radio equipment. There is no guarantee that the interference will not occur in a particular installation.

To confirm that the radio or television reception is interfered by this equipment, you can turn the equipment off and on. If this equipment does cause harmful interference to the radio or television equipment, please try to correct the interference by one or more of the following measures:

- 1) Relocate the receiving antenna.
- 2) Increase the separation between the microinverter and the receiving antenna.
- 3) Place the shield between the microinverter and the receiving antenna, such as metal / concrete roof.
- 4) Contact your dealer or an experienced radio/TV technician for help.

3. About Product

3.1 About Single Unit

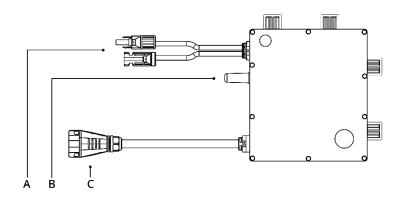
Specially developed for AC modules Single Unit Microinverter with extremely wide DC input operating voltage range (16-60V) and low start-up voltage (22V only).

3.2 Highlights

- Maximum output power up to 350W/400W; Adapted to 60 & 72 cells PV panels.

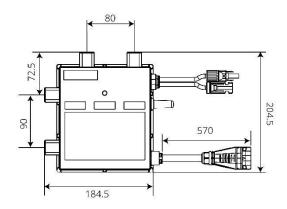
- Peak efficiency 96.70%; CEC weighted efficiency 96.50%.
- Static MPPT efficiency 99.80%; Dynamic MPPT efficiency 99.76% in overcast weather.
- Power factor (adjustable) 0.8 leading.....0.8 lagging.
- External antenna for stronger communication with DTU.
- High reliability: NEMA6 (IP67) enclosure; 6000V surge protection.

3.3 Terminals Introduction



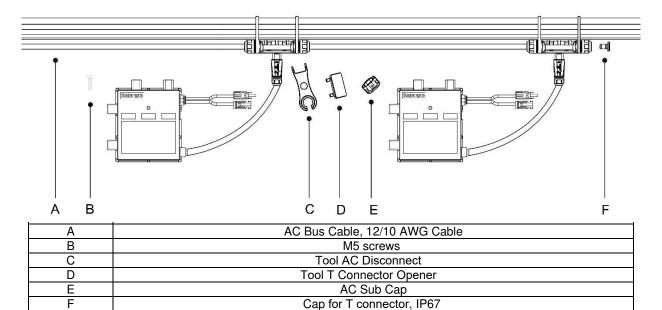
Object	Description
Α	DC Connector
В	Antenna
С	AC Connectors

3.4 Dimension



4. About Installation

4.1 Equipment and Accessories



^{*}Note: All accessories above are not included in the package, and need to be purchased separately. Please contact our sales representative for the price. (M5 screws need to be prepared by installer-self.)

4.2 Installation Precaution

Installation of the equipment is carried out based on the system design and the place in which the equipment is installed.

The installation must be carried out with the equipment disconnected from the grid (power disconnect switch open) and with the photovoltaic modules shaded or isolated.

Referring to the Technical Data to make sure the environmental conditions fit the microinverter's requirement (degree of protection, temperature, humidity, altitude, etc.)

To avoid power de-rating due to an increase in the microinverter internal temperature, do not expose it to direct sunlight.

To avoid overheating, always make sure the air flow around the inverter is not blocked.

Do not install in places where gasses or flammable substances may be present.

Avoid electromagnetic interference that can compromise the correct operation of electronic equipment.

When choosing the position of installation, comply with the following conditions:

Install only on structures specifically conceived for photovoltaic modules (supplied by installation technicians).

Install Microinverter underneath of the photovoltaic modules to make sure it works in the shadow. If this condition cannot be met, might trigger the inverter production de-rating.

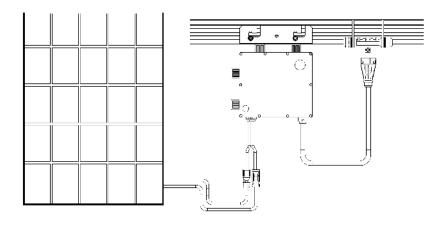
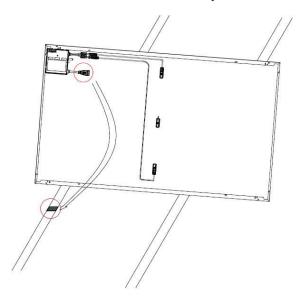


Fig.1 Installation position of microinverter

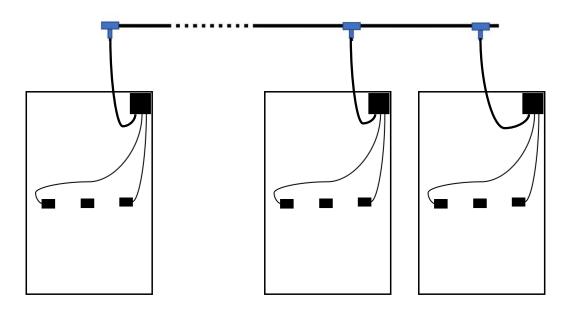
4.3 Installation Microinverter

Section 1. AC Module

- ✓ When you purchase the AC module, the microinverter is already locked to the module frame.
- ✓ The frame of the AC module is specially designed. (The frame is 40mm in width.)
- 1) Place the AC module on the guide rail, do not cover the bus connector, Push the AC connector of the microinverter to the trunk cable connector until you hear "click".



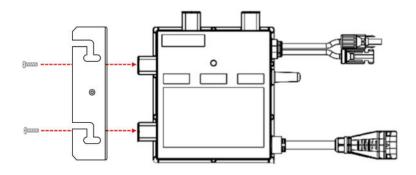
2) Lay the AC module in place and install, and install all the AC module in turn.



Section 2. Microinverter

Step 1. Mounting the Metal Handle

- -The metal handle can be used to fix the microinverter on the mounting rail.
- -Insert the M5 screw through the screw hole of the metal handle and lock it into the microinverter (The screw hole is located on the side of the microinverter.) As shown in below:



Step 2. Attach Microinverter on the Rail

- A) Mark the approximate center of each panel on the frame.
- B) Fix the screw on the rail.
- C) Hang the microinverter on the screw (shown as picture below), and tighten the screw. The silver cover side of the microinverter should be facing the panel.



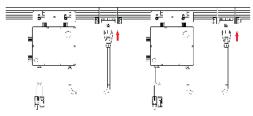
Note: Please install the microinverter at least 50 cm above the ground/roof for better communication with the Solenso DTU.

Step 3. Complete the AC Connection

A) Attach the AC Bus Cable with the mounting rail, and secure the cable with ties.



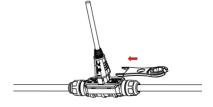
B) Push the AC connector of the microinverter to the trunk cable connector until you hear "click".



C) If there is any vacant bus port, please plug the AC sub cap on the vacant plug to ensure waterproof and dustproof.

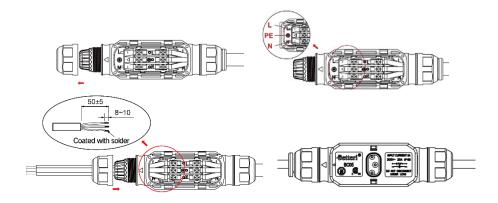


*Note: Under the circumstances that need to remove the inverter AC cable from bus port, please use the Tool AC Deconnect and insert the tool into the side of AC port.



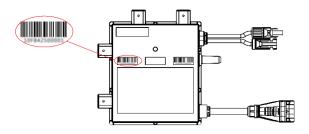
Step 4. Install AC End Cable

A) Prepare the AC end cable with the proper length, and insert one side of the cable into the cap. Match the L, N and Ground line into the slot accordingly. Tighten the screws, and then tighten the cap back to the port. Plug the upper cover back to the bus connector.



Step 5. Create an Installation Map

A) Peel the removable serial number lable from each microinverter (The position of the label is shown as below).



B) Affix the serial number label to the respective location on the installation map.

N S (circle	E W e one)	Panel Gr Azimuth: Tilt: Sheet _	:	Cu	stomer Inf	formation:		DTU Seri	ial Numbe	r:	S	∂len	S	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
A														
В														
С														
D														

Step 6. Energize the System

- A) Turn on the AC breaker of the branch circuit.
- B) Turn on the main AC breaker of the house. Your system will start to generate power after about two-minute wait time.

Step 7. Set Up the Monitoring System

Refer to the <u>DTU User Manual</u> or <u>DTU Quick Install Guide</u>, and <u>Quick Installation Guide for HMP Online Registration</u> to install the DTU and set up the monitoring system.

Product information is subject to change without notice. (Please download reference manuals at www.solenso-global.com)

5. Troubleshooting

5.1 Troubleshooting List

Alarm Code	Alarm Name	Suggestion
		Check the ventilation and ambient temperature at the microinverter installation position.
121	Over temperature	2. If the ventilation is poor or the ambient temperature exceeds the limit,
	protection	improve the ventilation and heat dissipation.
		3. If both the ventilation and ambient temperature meet the requirements,
		contact your dealer or Solenso technical support.
125	Grid configuration	1.Check if the grid configuration parameter is correct and upgrade again.
	parameter error	2. If the fault still exists, contact your dealer or Solenso technical support.
		1. If the alarm occurs accidentally and the microinverter can still work
126	Software error code 126	normally, no special treatment is required.
120		2. If the alarm occurs frequently and cannot be recovered, contact your
		dealer or Solenso technical support.
	Firmware error	1.Check if the firmware is correct and upgrade again.
		2.Check the communication between DTU and Solenso monitoring
127		system, the communication between DTU and microinverter. Then try
		again.
		3. If the fault still exists, contact your dealer or Solenso technical support.
		1. If the alarm occurs accidentally and the microinverter can still work
100	Software error code	normally, no special treatment is required.
128	128	2. If the alarm occurs frequently and cannot be recovered, contact your
		dealer or Solenso technical support.
100	Software error code	1. If the alarm occurs accidentally and the microinverter can still work
129	129	normally, no special treatment is required.

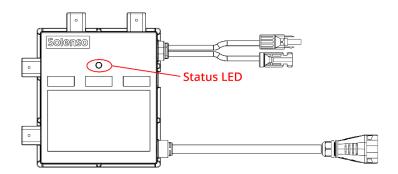
		If the alarm occurs frequently and cannot be recovered, contact your dealer or Solenso technical support.
130	Offline	1.Please make sure that the microinverter works normally. 2.Check the communication status between the DTU and solenso monitoring system or between the DTU and the microinverter.If the communication is poor, try to make some improvements. 3. If the alarm occurs frequently and cannot be recovered, contact your dealer or Solenso technical support.
141	Grid overvoltage	 If the alarm occurs accidentally, the grid voltage may be abnormal temporarily. The microinverter can recover automatically after grid voltage becomes normal. If the alarm occurs frequently, check whether the grid voltage is within the acceptable range. If no, contact the local power operator or change the grid overvoltage protection limit via Solenso monitoring system with the consent of the local power operator.
142	10 min value grid overvoltage	 If the alarm occurs accidentally, the grid voltage may be abnormal temporarily. The microinverter can recover automatically after grid voltage becomes normal. If the alarm occurs frequently, check whether the grid voltage is within the acceptable range. If no, contact the local power operator or change the grid overvoltage protection limit via Solenso monitoring system with the consent of the local power operator.
143	Grid undervoltage	 If the alarm occurs accidentally, the grid voltage may be abnormal temporarily. The microinverter can recover automatically after grid voltage becomes normal. If the alarm occurs frequently, check whether the grid voltage is within the acceptable range. If no, contact the local power operator or change the grid undervoltage protection limit via Solenso monitoring system with the consent of the local power operator. If the fault still exists, check the AC switch or AC wiring.
144	Grid overfrequency	 If the alarm occurs accidentally, the grid frequency may be abnormal temporarily. The microinverter can recover automatically after grid frequency becomes normal. If the alarm occurs frequently, check whether the grid frequency is within the acceptable range. If no, contact the local power operator or change the grid overfrequency protection limit via Solenso monitoring system with the consent of the local power operator.
145	Grid underfrequency	 If the alarm occurs accidentally, the grid frequency may be abnormal temporarily. The microinverter can recover automatically after grid frequency becomes normal. If the alarm occurs frequently, check whether the grid frequency is within the acceptable range. If no, contact the local power operator or change the grid underfrequency protection limit via Solenso monitoring system with the consent of the local power operator.

146	Rapid grid frequency change rate	 If the alarm occurs accidentally, the grid frequency may be abnormal temporarily. The microinverter can recover automatically after grid frequency becomes normal. If the alarm occurs frequently, check whether the grid frequency change rate is within the acceptable range. If no, contact the local power operator or change the grid frequency change rate limit via Solenso monitoring system with the consent of the local power operator.
147	Power grid outage	Please check whether there is a power grid outage.
148	Grid disconnection	Please check whether the AC switch or AC wiring is normal.
149	Island detected	 If the alarm occurs accidentally, the grid voltage may be abnormal temporarily. The microinverter can recover automatically after grid voltage becomes normal. If the alarms occur frequently on all the microinverters in your station, contact the local power operator to check whether there is a grid island. If the alarm still exists, contact your dealer or Solenso technical support.
205	Input port overvoltage	1.Please make sure that the PV module open-circuit voltage is less than or equal to the maximum input voltage. 2. If the PV module open-circuit voltage is within the normal range, contact your dealer or Solenso technical support.
207	Input port undervoltage	 1.Please make sure that the PV module open-circuit voltage is less than or equal to the maximum input voltage. 2. If the PV module open-circuit voltage is within the normal range, contact your dealer or Solenso technical support.
209	Port No input	 Please confirm whether this port is connected to the PV module; If the PV module is connected, please check the DC cable connection between this port and the PV module.
301	Hardware Error Code 301	 If the alarm occurs accidentally and the microinverter can still work normally, no special treatment is required. If the alarm occurs frequently and cannot be recovered, contact your dealer or Solenso technical support.
302	Hardware Error Code 302	 If the alarm occurs accidentally and the microinverter can still work normally, no special treatment is required. If the alarm occurs frequently and cannot be recovered, contact your dealer or Solenso technical support.
303	Hardware Error Code 303	 If the alarm occurs accidentally and the microinverter can still work normally, no special treatment is required. If the alarm occurs frequently and cannot be recovered, contact your dealer or Solenso technical support.
304	Hardware Error Code 304	 If the alarm occurs accidentally and the microinverter can still work normally, no special treatment is required. If the alarm occurs frequently and cannot be recovered, contact your dealer or Solenso technical support.
305	Hardware Error Code 305	I. If the alarm occurs accidentally and the microinverter can still work normally, no special treatment is required.

		·			
		2. If the alarm occurs frequently and cannot be recovered, contact your			
		dealer or Solenso technical support.			
		1. If the alarm occurs accidentally and the microinverter can still work			
200	Hardware Error Code	normally, no special treatment is required.			
306	306	2. If the alarm occurs frequently and cannot be recovered, contact your			
		dealer or Solenso technical support.			
		1. If the alarm occurs accidentally and the microinverter can still work			
207	Hardware Error Code	normally, no special treatment is required.			
307	307	2. If the alarm occurs frequently and cannot be recovered, contact your			
		dealer or Solenso technical support.			
		1. If the alarm occurs accidentally and the microinverter can still work			
000	Hardware Error Code	normally, no special treatment is required.			
308	308	2. If the alarm occurs frequently and cannot be recovered, contact your			
		dealer or Solenso technical support.			

5.2 Status LED Indicator

The LED flashes five times at start up. All green flashes (1s gap) indicate normal start up.



(1) Start-up Process

- ✓ Flashing green five times (0.3s gap): Start-up success
- ✓ Flashing Red five times (0.3s gap): Start-up failure

(2) Run Process

- ✓ Flashing Fast Green (1s gap): Producing power.
- ✓ Flashing Slow Green (2s gap): Producing power but one input is abnormal.
- ✓ Flashing Slow Green (4s gap): Producing power but there is no communication with DTU.
- ✓ Flashing Red (1s gap): Not producing power AC grid invalid (Voltage or frequency out of range).
- ✓ Flashing Red (0.5s gap): There is a fault except the abnormality of grid.

(3) Other Status

- ✓ Flashing Red and Green alternately: Firmware is corrupted.
- ✓ Flashing Green (s gap): Firmware is upgrading.

*Note: All the faults are reported to the DTU, refer to the local APP of the DTU or Solenso Monitoring Platform for more information.

5.3 Insulation Resistance Detection

There is a resistance sensor in the microinverter to measure the resistance between the outputs of PV module and the ground. If there is a problem with PV module insulation, DC wiring or connectors of the module and so on, the resistance between the outputs of the module and the ground may decrease. If this resistance drops below a preset threshold, the microinverter will stop producing power and report this ground fault. This fault will persist until it is cleared on Solenso Monitoring Platform. This fault will persist until the microinverter is rebooted.

Please note that this fault cannot be cleared if the cause of the failure is still present. If the fault persists, contact your installer or Solenso for possible replacement.

5.4 On-site Inspection (For qualified installer only)

To troubleshoot an inoperable microinverter, follow the steps in the order shown.

- 1. Verify the utility voltage and frequency are within ranges shown in the in appendix Technical Data of this microinverter.
- 2. Check the connection to the utility grid. Verify utility power is present at the inverter in question by removing AC, then DC power. Never disconnect the DC wires while the microinverter is producing power. Re-connect the DC module connectors and watch for five short LED flashes.
- 3. Check the AC branch circuit interconnection between all the microinverters. Verify each inverter is energized by the utility grid as described in the previous step.
- 4. Make sure that any AC breaker are functioning properly and are closed.
- 5. Check the DC connections between the microinverter and the PV module.
- 6. Verify the PV module DC voltage is within the allowable range shown in appendix Technical Data of this manual.
- 7. If the problem persists, please call Solenso customer support.



Warning

Do not try to repair the microinverter. If the troubleshooting fails, please return it to the factory for replacement.

5.5 Routine Maintenance

- 1. Only authorized personnel are allowed to carry out the maintenance operations and are responsible to report any anomalies.
- 2. Always use the personal protective equipment provided by the employer when carry out the maintenance operation.
- 3. During normal operation, check that the environmental and logistic conditions are correct. Make sure that the conditions have not changed over time and that the equipment is not exposed to adverse weather conditions and has not been covered with foreign bodies.
- 4. DO NOT use the equipment if any problems are found, and restore the normal conditions after the fault removed.
- 5. Conduct an annual inspection on various components, and clean the equipment with a vacuum cleaner or special brushes.



Do not attempt to dismantle the Microinverter or make any internal repairs! In order to preserving the integrity of safety and insulation, the Microinverters are not designed to allow internal repairs!



The AC output wiring harness (AC drop cable on the Microinverter) cannot be replaced. If the cord is damaged the equipment should be scrapped.



Maintenance operations must be carried out with the equipment disconnected from the grid (power switch open) and the photovoltaic modules obscured or isolated, unless otherwise indicated.



For cleaning, do not use rags made of filamentary material or corrosive products that may corrode parts of the equipment or generate electrostatic charges.



Avoid temporary repairs. All repairs should be carried out using only genuine spare parts.



Each branch should provide a circuit breaker, but no need for central protection unit.

5.6 Replace Microinverter

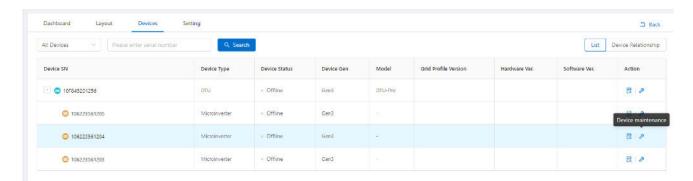
a. How to remove the Microinverter.

- De-energize the AC branch circuit breaker.
- > Using a meter to measure and make sure there is no current flowing in the DC wires between panel and microinverter.
- Use the AC disconnect tool to remove the AC connectors.

- > Remove the PV panel from the racking, and cover the panel.
- Use the DC disconnect tool to remove the DC connectors.
- Un-screw the fixing screw of the microinverter and remove the microinverter from the PV module.

b. How to replace the Microinverter in monitoring platform:

- Please record down the new Microinverter's SN.
- > Please make sure the AC branch circuit breaker if off, and following the Microinverter installation steps to install the replacement unit.
- ➤ Go to the monitoring platform (if customer already register this station online), please access the "Device" page and find the device that you just replaced. Please click "Device maintenance" button to jump to the new page, and select "Device Replace". Enter the new Microinverter's SN and click "Ok" button to complete the replacement.



6. Decommissions

6.1 Decommissions

Disconnect the inverter from DC input and AC output; remove all connection cable from the Microinverter; remove the Microinverter from the frame.

Please pack the Microinverter with the original packaging, or use the carton box that can afford 5kg weight and can be fully closed if the original packaging is no longer available.

6.2 Storage and Transportation

Solenso packages and protects individual components using suitable means to make the transport and subsequent handling easier. Transportation of the equipment, especially by road, must be carried out by suitable ways for protecting the components (in particular, the electronic components) from violent, shocks, humidity, vibration, etc. Please dispose the packaging elements in appropriate ways

to avoid unforeseen injury.

It is the customer's responsibility to examine the condition of the components transported. Once receiving the Microinverter, it is necessary to check the container for any external damage and verify receipt of all items. Call the delivering carrier immediately if damage or shortage is detected. If inspection reveals damage to the inverter, contact the supplier, or authorized distributor for a repair/return determination and instructions regarding the process.

The microinverter storage temperature is -40-85°C.

6.3 Disposal

- If the equipment is not used immediately or is stored for long periods, check that it is correctly packed. The equipment must be stored in well-ventilated indoor areas that do not have characteristics that might damage the components of the equipment.
- Take a complete inspection when restarting after a long time or prolonged stop.
- Please dispose the equipment properly after scrapping, which are potentially harmful to the environment, in accordance with the regulations in force in the country of installation.

7. Technical Data



Warning

Be sure to verify the following before installing Solenso Microinverter System.

Verify that the voltage and current specifications of the PV module must match those of the microinverter.

The maximum open circuit voltage rating of the PV module must within the operating voltage range of the microinverter.

The maximum current rating at MPP is recommended to be equal to or less than the maximum input DC current. But the maximum short circuit current must be equal to or less than the maximum input DC short circuit current.

The output DC power of PV module is NOT recommended to exceed 1.35 times the output AC power of the microinverter. Refer to "Solenso Warranty Terms & Conditions" for more information.

7.1 DC Input

Model	Sol-H350	Sol-H400
Commonly used module newer (M)	280~470	320~540
Commonly used module power (W)	(singe panel)	(singe panel)
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
Maximum input short circuit current (A)	15	15

7.2 AC Output

Model	Sol-H350	Sol-H400	
Rated output power (VA)	350	400	
	1.59@220V	1.82@220V	
Rated output current (A)	1.46@230V	1.67@230V	
	1.52@240V	1.74@240V	
	220/180-275	220/180-275	
Nominal output voltage/range (V)	230/180-275	230/180-275	
	240/180-275	240/180-275	
Naminal fraguency/range (Uz)	45-55 (under 50Hz @ 220V & 230V)		
Nominal frequency/range (Hz)	55-65 (under 60Hz @ 220V & 230V)		
Power factor	>0.99 default		
Output current harmonic distortion	<3%	<3%	
Maximum units per branch	14@220\/ 14@220\/	12@220V	
	14@220V 14@230V	12@230V	
	14@240V	12@240V	

7.3 Efficiency, Safety and Protection

Model	Sol-H350	Sol-H400
Peak inverter efficiency	96.70%	96.70%
CEC weighted efficiency	96.50%	96.50%
Nominal MPPT efficiency	99.80%	99.80%
Night time power consumption (mW)	<50	<50

7.4 Mechanical Data

Model	Sol-H350	Sol-H400	
Ambient temperature range (°C)	-40 ~ +65	-40 ~ +65	
Storage temperature range (°C)	-40 ~ +85	-40 ~ +85	
Dimensions (W×H×D mm)	182×164×29.5	182×164×29.5	
Weight (kg)	1.75	1.75	
Enclosure rating	Outdoor-NI	Outdoor-NEMA (IP67)	
Cooling	Natural conve	Natural convection – No fans	

7.5 Features

Model	Sol-H350	Sol-H400
Communication	2.4GHz Proprietary RF(Nordic)	

Monitoring	Solenso Monitoring System		
	(Solenso DTU is required)		
Warranty	12 years standard, 25 years optional		
Compliance	VDE-AR-N 4105:2018, EN50549-1:2019, VFR2019,		
	AS 4777.2:2015, IEC/EN 62109-1/-2, IEC/EN 61000-		
	3-2/-3, IEC/EN-61000-6-1/-2/-3/-4		

^{*}Note: Voltage and frequency ranges can be extended beyond nominal if required by the utility.

Appendix 1:

Installation Map

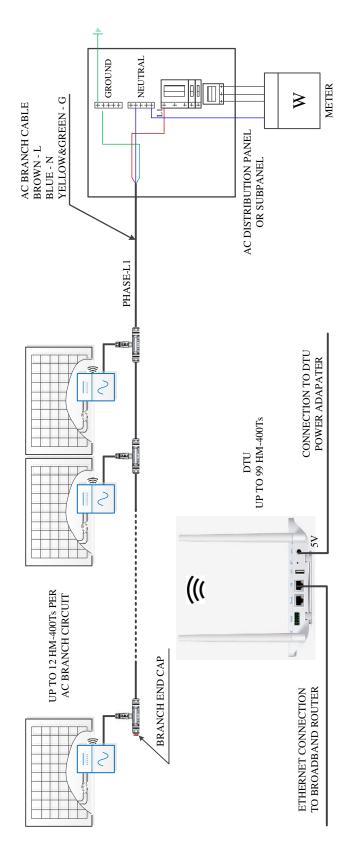
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Appendix 2:

WIRING DIAGRAM - 230VAC SINGLE PHASE:



WIRING DIAGRAM - 230VAC / 400VAC THREE PHASE:

