



SAFETY

IMPORTANT SAFETY INSTRUCTIONS. SAVE THIS INFORMATION.

Follow all safety and assembly instructions when installing the SUN-MI-RELAY-01 (Network and System Protection Device).

Safety Instructions

Can be OEM	Trademark.
	Caution, risk of electric shock.
	Caution, risk of burn - Do not touch.
	Caution, hot surface.
	Symbol for the marking of electrical and electronics devices according to Directive 2002/96/EC. Indicates that the device, accessories and the packaging must not be disposed as unsorted municipal waste and must be collected separately at the end of the usage. Please follow Local Ordinances or Regulations for disposal or contact an authorized representative of the manufacturer for information concerning the decommissioning of equipment.
	CE mark is attached to the solar inverter to verify that the unit follows the provisions of the European Low Voltage and EMC Directives.
	Refer to the operating instructions
	Person adequately advised or supervised by an electrically skilled person to enable him or her to perceive risks and to avoid hazards which electricity can create. For the purpose of the safety information of this manual, a "qualified person" is someone who is familiar with requirements for safety, refrigeration system and EMC and is authorized to energize ground, and tag equipment, systems, and circuits in accordance with established safety procedures. The inverter and endues system may only be commissioned and operated by qualified personnel.

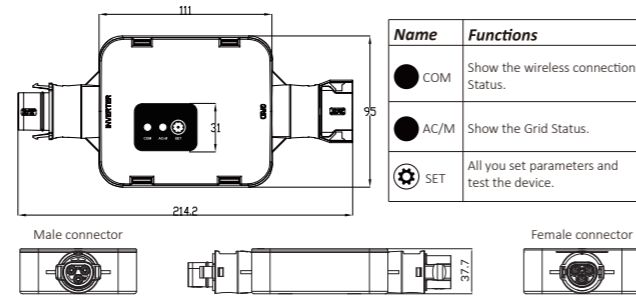


Parts list

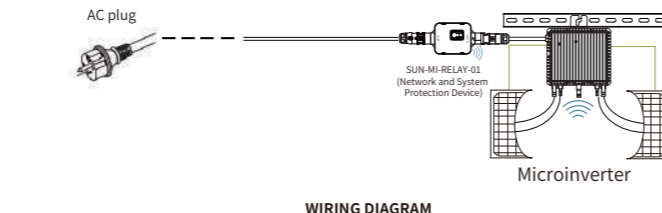


NOTE: For the connection between SUN-MI-Relay-01(Network and System Protection Device) and Microinverter , the tool(screwdriver) is needed.

WARNINGThe Microinverter SUN-M60G3-EU-Q0, SUN-M80G3-EU-Q0, SUN-M100 G3-EU-Q0 shall not be put into operation without external relay kit SUN-MI-RELAY-01.



INSTALLATION



Before the installation, please turn off the the DC and AC of the microinverter and wait for 5mins then start to operate.

The SUN-MI-Relay-01 (Network and System Protection Device) supports fast plug connection. It is equipped with quick plug terminals which is compatible with all Deye microinverters(for the G3 series, it needs install another adapter). Firstly, Plug the male connector of SUN-MI-RELAY-01 to the female connector of Micro Inverter . Then plug the female connector of SUN-MI-RELAY-01 to the male connector of AC plug. At last, connect the AC plug go to the plug board of household.

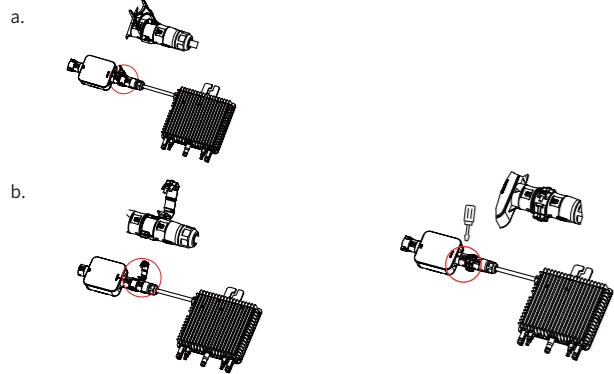
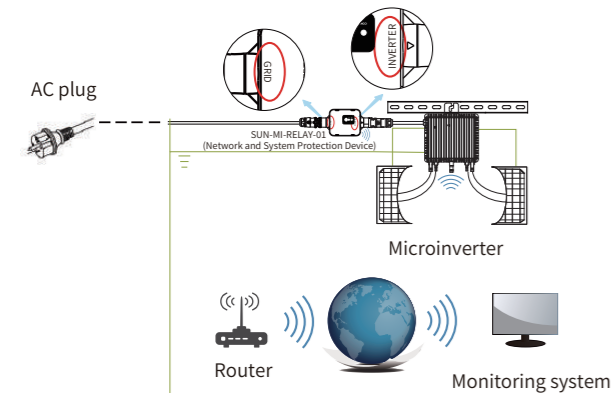
Note: For the connection between SUN-MI-Relay-01(Network and System Protection Device) and Microinverter , the tool is needed.SUN-MI-RELAY-01. Verbinden Sie abschließende den AC-Stecker mit der Steckdose im Haushalt.

Technical Data

Model: SUN-MI-RELAY-01	Network and System Protection Device
AC Input Data(Inverter)	
Nominal Voltage	220V/230V
Nominal Frequency	50/60Hz
Max AC Current	12A
Nominal AC Current	12A
Nominal AC Current	12A
AC Output Data(Grid)	
Nominal Voltage	220V/230V
Nominal Frequency	50/60Hz
Max AC Current	12A
Nominal AC Current	12A
General Data	
Ambient Temperature Range	-40-65 °C, >45°C derating
Humidity	0%-100% RH
Cabinet Size (WxHxD)	111mm x 95mmx x37.7mm (Excluding Connectors and Brackets)
Weight	340g
Enclosure Environmental Rating	IP67
Communication	Wireless/Wifi
Safety EMC / Standard	IEC/EN 6100-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2,VDE-AR-N 4105
WiFi information:	
Frequency range	2.412~2.472GHz
WiFi maximum transmitting power	17dBm ± 1.5dBm
Antenna	External Antenna
Antenna Gain	3dBi

INTRODUCTION

SUN-MI-RELAY-01 (Network and System Protection Device) : it is used to monitoring and disconnect the grid when sensing the grid voltage/frequency is out of the allowed range. The relay kit also is able to reconnect grid when the grid conditions resume. It must communicate with the built-in wifi module of the Microinverter, the Microinverter can work normally, otherwise the Microinverter can not work.The localhost of this relay kit is 10.10.101.254.

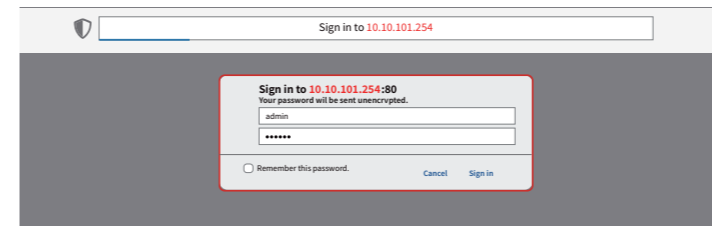


How to connect the SUN-MI-RELAY-01 to the microinverter via web

1. Turn on the wireless network of your PC or smartphone.
2. Select network of SUN-MI-RELAY-01 (network name: RE_3985266017) and the default password of the network is listed on the nameplate of PWD: "5c4db8d6".

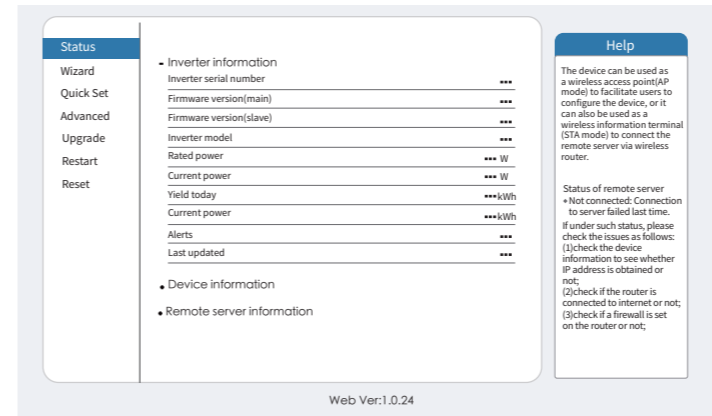


3. Open a browser and enter 10.10.101.254. Both username and password are "admin".(Recommended browser: IE 8+, Chrome 15+, Firefox 10+).

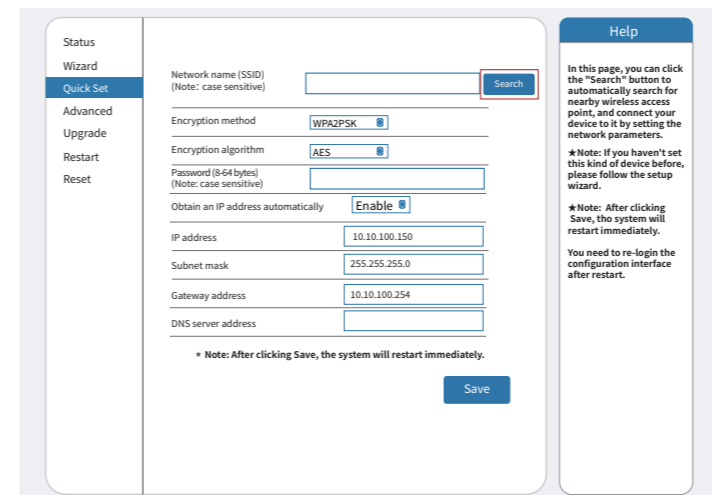


If can't access the 10.10.101.254 for a long while, please disconnect the AC and then waiting for 5S and try again.

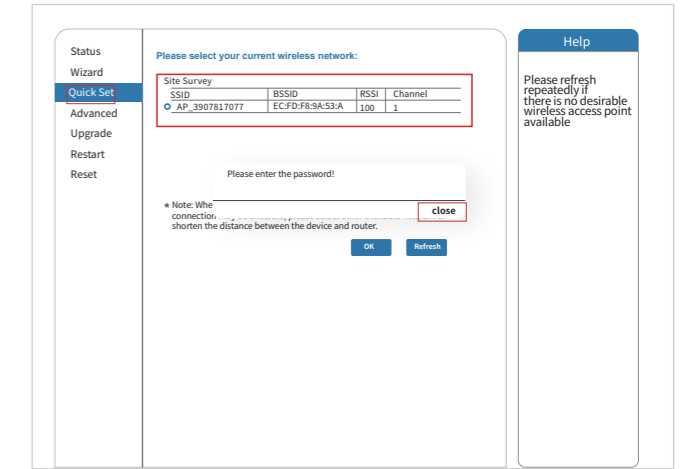
4. Browser jumps to "Status" page, the basic information is listed there.



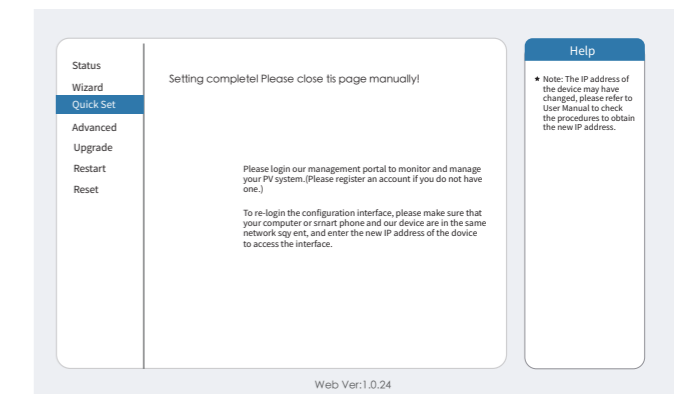
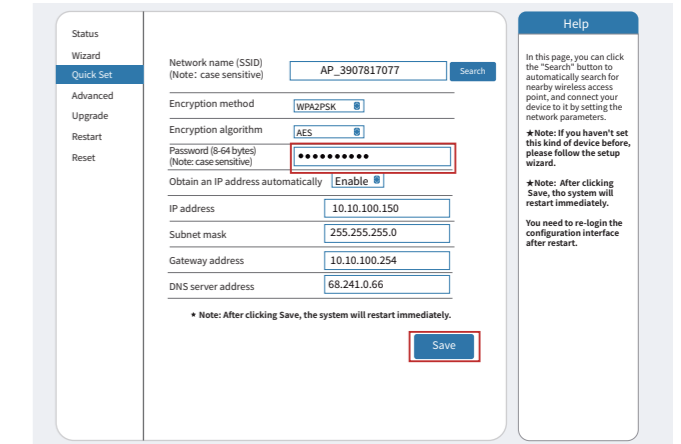
5. Click to enter the "Quick Set" page and click the "Search" button to start searching for network hotspots near the NS protection device.



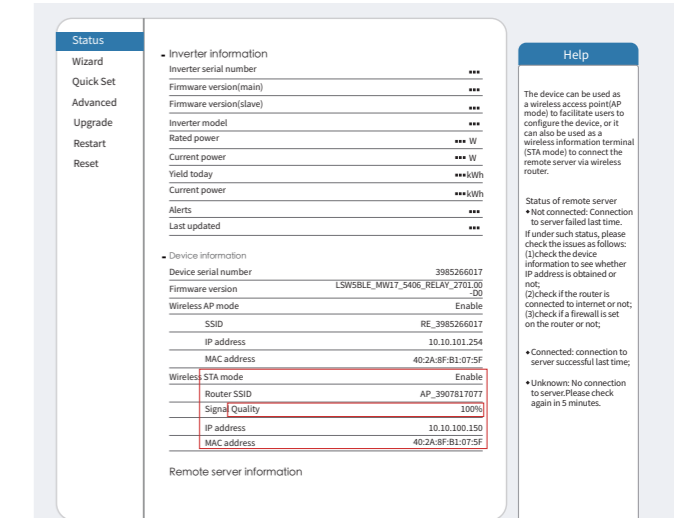
6. Click to select your microinverter WLAN hotspot and enter the inverter hotspot password.



7. The initial WLAN network name and password of the inverter are both affixed to the inverter nameplate.Click SAVE the communication connection will be completed.



8. Click to enter the Status page,You can view the current connection information on the Device information page. If you need help, Please contact Deye's official after-sales service or authorized service provider.





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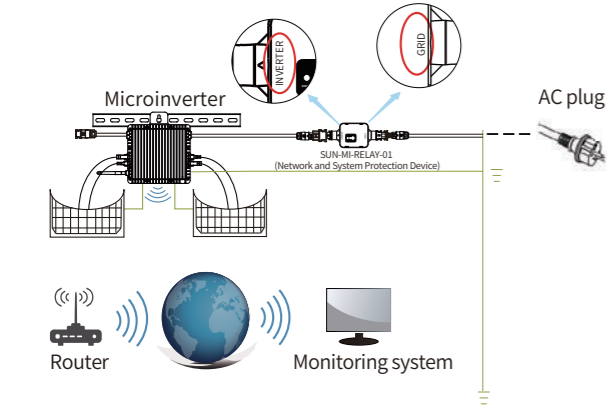
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Safety Instructions

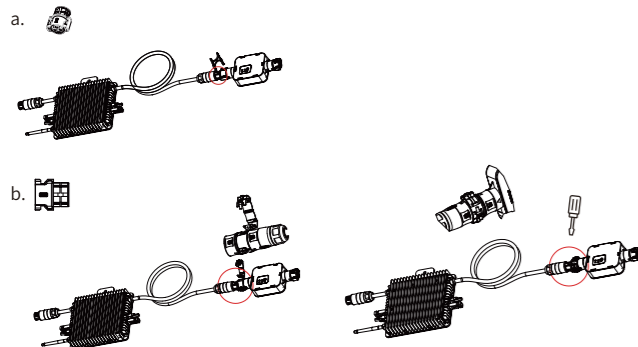
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This device package contains two types of Female connectors and one type of Male connector. Please choose the appropriate connector for connection according to the actual situation.

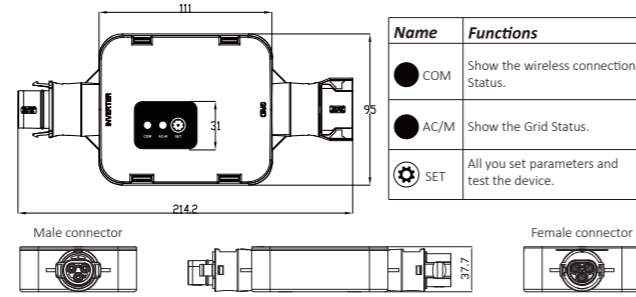


Parts list

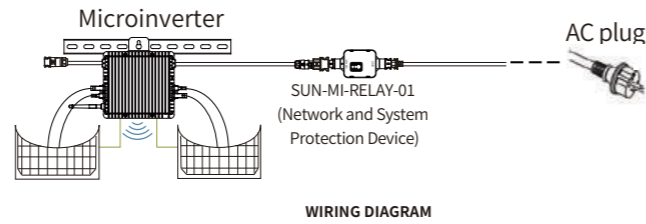


NOTE: For the connection between SUN-MI-Relay-01(Network and System Protection Device) and Microinverter , the tool(screwdriver) is needed.

WARNING: The Microinverter SUN600G3-EU-230, SUN800G3-EU-230, SUN1000G3-EU-230 shall not be put into operation without external relay kit SUN-MI-RELAY-01.



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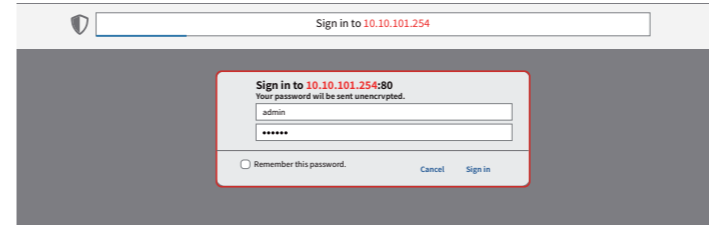
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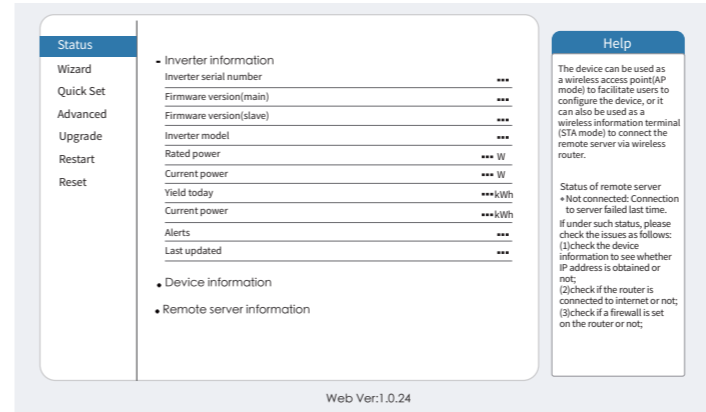


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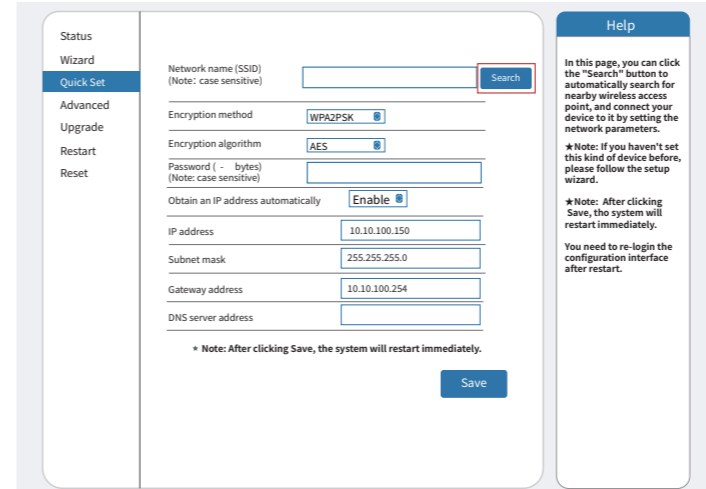


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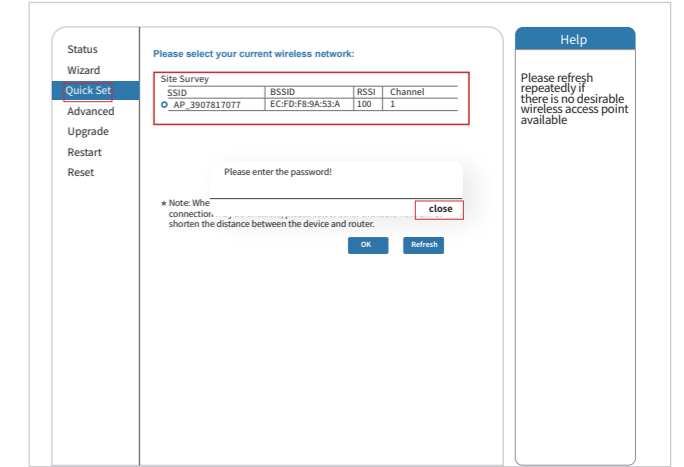
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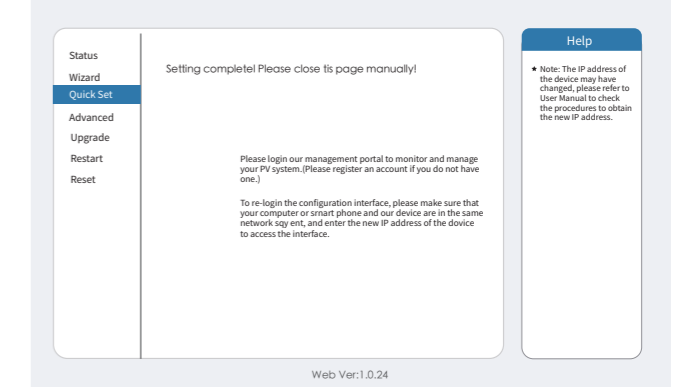
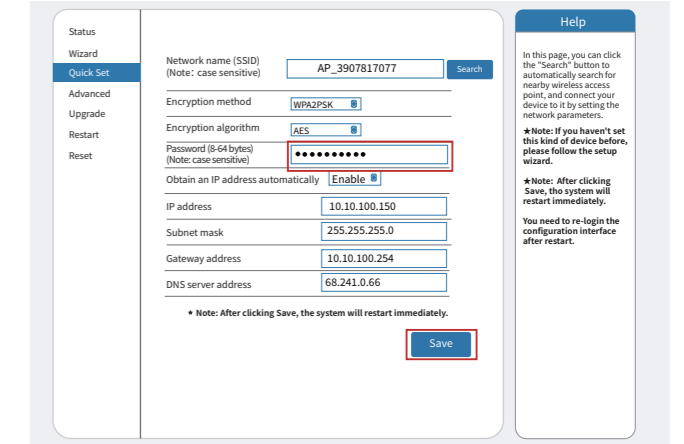
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