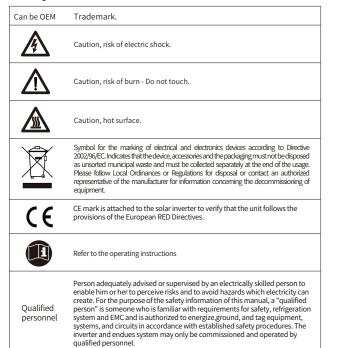
Deye[®]

SAFETY

IMPORTANT SAFETY INSTRUCTIONS. SAVE THIS INFORMATION.

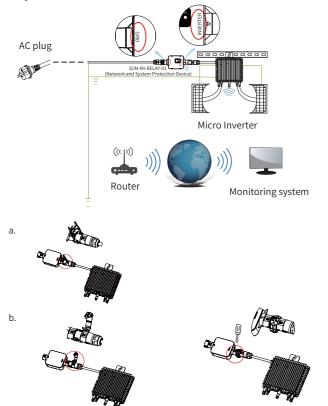
Follow all safety and assembly instructions when installing the SUN-MI-RELAY-01 (Network and System Protection Device).

Safety Instructions



INTRODUCTION

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



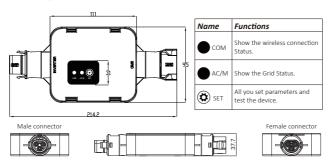
Parts list

Deye

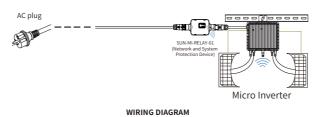


NOTE: For the connection between SUN-MI-Relay-01(Network and System Protection Device) and Micro Inverter, the tool(screwdriver) is needed.

WARNING: The Micro Inverter SUN-M60G3-EU-Q0-RE, SUN-M80G3-EU-Q0-RE, SUN -M100G3-EU-Q0-RE 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 microiverter 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 Deve 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 Micro Inverter, 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 Intput Data(Inverter)	
Nominal Voltage	220V/230V
Nominal Frequency	50/60Hz
Max AC Current	12A
Nominal AC Current	12A
Nominal AC Current	Micro Inverter
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

How to connect the SUN-MI-RELAY-01 to the Micro Inverter 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: "5c4db8d 6".



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

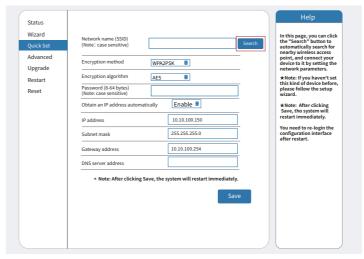
0	Sign in to 10.10.101.254
	Sign in to 10.10.101.254:80 Year password will be start unencrypted.
	admin
	Remember this password. Cancel Sign in

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.

atus		Help
izard	Inverter information Inverter serial number	The device can be used as a wireless access point(AP
uick Set	Firmware version(main)	mode) to facilitata users to configure the device, or it
dvanced	Firmware version(slave)	can also be used as a wireless information terminal
pgrade	Inverter model	(STA mode) to connect the remote server via wireless
estart	Rated power	•••• W router.
eset	Current power	W
eset	Yield today	Status of remote server ***kWh *Not connected: Connection
	Current power	•••kWh to server failed last time.
	Alerts	If under such status, please check the issues as follows:
	Last updated	(1)check the device information to see whether
	Device information Remote server information	IP address is obtained or not; (2)check if the router is connected to internet or not; (3)check if a firewall is set
		on the router or not;

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 micro-inverter's WLAN hotspot and enter the inverter hotspot password.

					中文English
Status Wizard	Please select your cur	rent wireless networ	k:		Help
	Site Survey				Please refresh
Quick Set	SSID	BSSID	RSSI	Channel	repeatedly if
Advanced	• AP_3907817077	EC:FD:F8:9A:53:A	100	1	repeatedly if there is no desirable wireless access point available
Upgrade					
Restart					
Reset	Please	enter the password!			
	connection, shorten the distance b	between the device and	router. ок	Refresh	

7. The default password of the AP network is 12345678 if there's no nameplate that includes PWD: XXXXXXX on the inverter body. If there's nameplate that includes PWD: XXXXXXX on the inverter body then the AP network password is the "XXXXXXXX".

Status Wizard Quick Set Advanced Upgrade Restart Reset	Encryption method WPA2 Encryption algorithm AES Encryption algorithm AE	B In 10.100.150 255.255.255.0 10.10.100.254 68.241.0.66	Help In this page, you can click hardwardcally search for point, and connect your device to thy setting the network parameters. *Note: How howeve are thoses follow the setup wiard. Save, the system will retart immediately. You need to re-loging the configuration interface after restart.
		Save	+x English Help
Status Wizard Quick Set Advanced Upgrade Restart Reset	your PV system. (Ple one.) To re-login the conf your computer or sr	nagement ponal to monitor and manage ase register an account if you do not have guaration interface, please make sure that not phone and our device are in the same denter the new PM address of the dovice	 Note The IP address of the device may have changed, place refer to User Manal to checkin the place and the state the place of the state the receive P address.
	v	Veb Ver:1.0.24	

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.

Wizard	- Inverter information		Help
Ouick Set	Inverter serial number		
	Firmware version(main)		evice can be used as
Advanced	Firmware version(slave)		less access point(AP) to facilitata users to
Upgrade	Inverter model	eee config	ure the device, or it so be used as a
Restart	Rated power	••• W wirele	ss information terminal
Reset	Current power		node) to connect the e server via wireless
neset	Yield today	••••kWh router	
	Current power	•••kWh	s of remote server
	Alerts	••• • Not	connected: Connection
	Last updated		erver failed last time. er such status, please
	Wireless AP mode	-D0 (2)che Enable Conne	eck if the router is ected to internet or not;
	Firmware version LSW5BL	_MW17_5406_RELAY_2701.00 not; -D0 (2)che	eck if the router is
	SSID	(3)che	eck if a firewall is set e router or not:
	IP address	10 10 101 254	router of not,
	MAC address	+Con	nected: connection to er successful last time:
	Wireless STA mode	Enable	nown: No connection
	Router SSID	AP 3907817077 to st	erver.Please check n in 5 minutes.
	Signa Quality	100% agai	n in 5 minutes.
	IP address	10.10.100.150	
	MAC address	40:2A:8F:B1:07:5F	
	Remote server information		

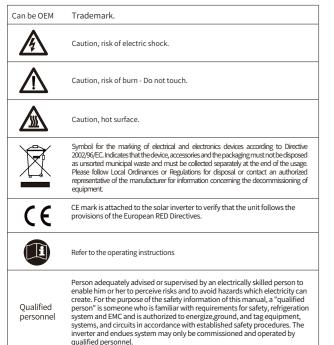


SAFETY

IMPORTANT SAFETY INSTRUCTIONS. SAVE THIS INFORMATION.

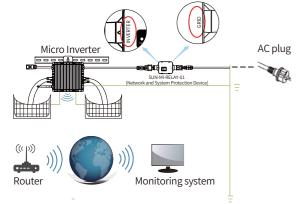
Follow all safety and assembly instructions when installing the SUN-MI-RELAY-01 (Network and System Protection Device).

Safety Instructions

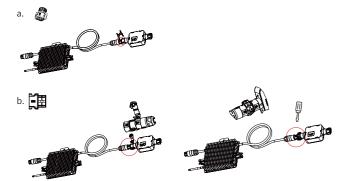


INTRODUCTION

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



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

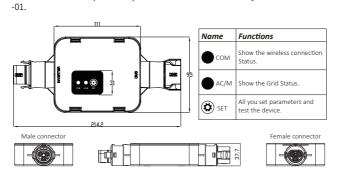


Parts list

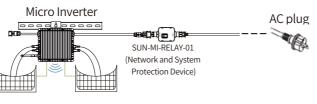


NOTE: For the connection between SUN-MI-Relay-01(Network and System Protection Device) and Micro Inverter, the tool (screwdriver) is needed.

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



INSTALLATION



WIRING DIAGRAM

Before the installation, please turn off the the DC and AC of the microiverter 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 Deve 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 Micro Inverter, 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 Intput Data(Inverter)	
Nominal Voltage	220V/230V
Nominal Frequency	50/60Hz
Max AC Current	12A
Nominal AC Current	12A
Nominal AC Current	Micro Inverter
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

How to connect the SUN-MI-RELAY-01 to the Micro Inverter 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: "5c4db8d



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

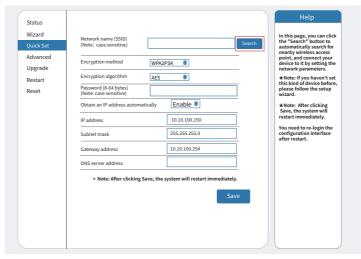
0	Sign in to 10.10.101.254
	Sign in to 10.10.101.254:80 Your password will be sent unercorpted.
	admin
	Remember this password. Cancel Sign in

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.

atus		Help
izard	Inverter information Inverter serial number	The device can be used as a wireless access point(AP
uick Set	Firmware version(main)	mode) to facilitata users to configure the device, or it
lvanced	Firmware version(slave)	can also be used as a wireless information termin
pgrade	Inverter model	(STA mode) to connect the
estart	Rated power	••• W router.
eset	Current power	W
eset	Yield today	Status of remote server Not connected: Connection
	Current power	••••kWh to server failed last time.
	Alerts	If under such status, please check the issues as follows:
	Last updated	(1)check the device information to see whether
	Device information Remote server information	IP address is obtained or not; (2)check if the router is connected to internet or not (3)check if a firewall is set
		on the router or not;

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 micro-inverter's WLAN hotspot and enter the inverter hotspot password

Status Wizard Quick Set	Please select your cur Site Survey SSID	rent wireless networ			Help Please refresh
Quick Set	SSID	Decip			Please refresh
		DCCID			
Advanced			RSSI	Channel	repeatedly if
navancea	• AP_3907817077	EC:FD:F8:9A:53:A	100	1	repeatedly if there is no desirable wireless access point available
Upgrade					
Restart					
Reset	Please	enter the password!			
	shorten the distance	between the device and	ок	Refresh	

7. The default password of the AP network is 12345678 if there's no nameplate that includes PWD: XXXXXXXX on the inverter body. If there's nameplate that includes PWD: XXXXXXXX on the inverter body then the AP network password is the "XXXXXXXX" .

Status		Help
Wizard	Network name (SSID)	In this page, you can click the "Search" button to
Quick Set	(Note: case sensitive) AP_3907817077	automatically search for nearby wireless access
Advanced	Encryption method WPA2PSK 8	point, and connect your device to it by setting the
Upgrade Restart	Encryption algorithm AES 8	network parameters. ★Note: If you haven't set
Reset	Password (8-64 bytes) (Note: case sensitive)	this kind of device before, please follow the setup wizard.
	Obtain an IP address automatically Enable 8	*Note: After clicking
	IP address 10.10.100.150	Save, tho system will restart immediately.
	Subnet mask 255.255.255.0	You need to re-login the configuration interface
	Gateway address 10.10.100.254	after restart.
	DNS server address 68.241.0.66	
		<u> </u>
	 Note: After clicking Save, the system will restart immediate 	ty.
		中文 English
Status Wizard Quick Set Advanced	Setting completel Please close tis page manually!	Help • Note: The IP address of the device may have changed, please refer to User Manual to check the procedures to obtain the new IP address.
Upgrade		
Restart	Please login our management ponal to monitor an your PV system. (Please register an account if you d one.)	d manage o not have
Reset		
	To re-login the configuration interface, please make	e sure that
	your computer or smart phone and our device are network say or and enter the new IP address of the to access the interface.	e dovice "
	network sqy ent, and enter the new IP address of the	n dovice "

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 Deve's official after-sales service or authorized service provider.

Wizard	- Inverter information	Help
Ouick Set	Inverter serial number	<u></u>
	Firmware version(main)	The device can be used as
Advanced	Firmware version(slave)	a wireless access point(AP mode) to facilitata users to
Upgrade	Inverter model	configure the device, or it can also be used as a
Restart	Rated power	W wireless information termina
Reset	Current power ····	W (STA mode) to connect the remote server via wireless
neset	Yield today	kWh router.
	Current power	kWh Status of remote server
	Alerts	Not connected: Connection
	Last updated	to server failed last time. If under such status, please
	Device serial number 398526	iF address is obtailied of
		6017 IP address is obtained or
	Firmware version LSW5BLE_MW17_5406_RELAY_270	6017 IP address is obtained or 1.00 not; -D0 (2)check if the router is connected to internet or not;
	Firmware version LSW5BLE_MW17_5406_RELAY_270 Wireless AP mode En	6017 information to see whether IP address is obtained or not; -D0 (2)check if the router is cable (3)check if a firewall is set
	Firmware version LSWSBLE_MW17_5406_RELAY_270 Wireless AP mode En SSID RE_3385261	6017 Information to see whether IP address is obtained or not; -D0 (2)check if the router is able connected to internet or not; (3)check if a firewall is set 6017 on the router or not;
	Firmware version LSW5BLE_MW17_5406_RELAY_270 Wireless AP mode En	information to see whether address is obtained or not; - <u>D0</u> (2)check if the router is connected to internet or not; (3)check if a firewall is set on the router or not; L254 • Connected; connection to
	Firmware version LSW5BLE_MW17_5406_RELAY_270 Wireless AP mode En SSID RE_398526 IP address 10.10.10 MAC address 40.2A6/F.B1.01	information to see whether address is obtained or not; not; connected to internet or not; Giltock if a firewall is set on the router or not; ischeck if a firewall is set on the router or not; ischeck if a firewall is set on the router or not; ischeck if a firewall is set on the router or not; ischeck if a firewall is set on the router or not; ischeck if a firewall is set on the router or not; ischeck if a firewall is set information of the router of the router of the router of the router or not; ischeck if a firewall is set information of the router of th
	Firmware version LSW5BLE_MN17_5406_RELAY_270 Wireless AP mode En SSID RE_398526 IP address 10.10.10 MAC address 40.2A/8F.B1.01	information to see whether indexes is obtained or indexes is o
	Firmware version LSWSBLE_MW17_5406_RELAV_270 Wireless AP mode En SSID RE_398526 Paddress 10.10.10 MAC address 40.2A87:B1:0 Wireless STA mode En Miceless STA mode En Moder En Moder En Router SSID AP_300781	information to see whether indexes is obtained or indexes is o
	Firmware version LSWSBLE_MW17_5406_RELAV_270 Wireless AP mode En SSID RE_398526 Paddress 10.10.10 MAC address 40.2A87:B1:0 Wireless STA mode En Miceless STA mode En Moder En Moder En Router SSID AP_300781	0017 information to see whether 018 information to see whether 100 information to see whether 101 information to see whether 102 information to see whether 103 information to see whether 104 information to see whether 105 information to see whether 106 information to see whether 107 information to see whether 108 information to see whether 109 information to see whether 100 information to see whether 101 information to see whether
	Firmware version LSWSBLE_MN17_5406, RELAV_270 Wireless AP mode En SSID RE_398526 IP address 10.0.0.01 MAC address 40.2A.8F.B1:01 Wireless \$17.mode En Burderss 40.2A.8F.B1:01 Wireless \$17.mode En Signal Quality 35.00	017 IP address is obtained or net. 018 IP address is obtained or net. 019 IP address is obtained or net. 010 IP address is obtained or net. 011 IP address is obtained or net. 012 IP address is obtained or net. 013 IP address is obtained or net. 014 IP address is obtained or server successful last me, again in 5minutes. 130 IP address is obtained or server.