

User Manual

EV AC Charger

SUN-EVSE11K01-EU-AC SUN-EVSE22K01-EU-AC



Contents

All Rights Reserved01
About This Manual01-02
1 Safe Introductions
2 Introduction04-06
2.1 Introduction of installation methods
2.2 Model
2.3 Appearance and Dimensions
2.4 System Topology
3 Installation07-10
3.1 Installation
3.2 Unpacking and Inspection
3.3 Installation Tools
3.4 Electrical Connection
3.4.1 Circuit Diagram
3.4.2 Recommended specification of AC cable and PE
3.4.3 Single phase connection
3.4.4 Three phase connection
4 Inspection before Commissioning11-12
5 WiFi and Lora configuration
5.1 WiFi configuration
5.1.1 WIFI configuration via APP
5.1.2 WIFI configuration via localhost
5.2.Lora configuration
5.2.1 Steps to establish Lora communication
5.2.2 Adjustment of Lora communication channel
6 Setting of communication mode
7 Local control mode
7.1 Explaination of parameters
7.2 View operating status via LCD
8 Remote control via APP28-35
9 Troubleshooting
10 Technical Data38-39
11 FU Deployation of Conformation

All Rights Reserved

All Rights Reserved

No part of this document can be reproduced in any form or by any means without the prior written permission of Ningbo Deye Inverter Technology Co., Ltd. (hereinafter "DEYE").

Trademarks

DEYE and other DEYE trademarks used in this manual are owned by DEYE.

All other trademarks or registered trademarks mentioned in this manual are owned by their respective owners.

Software Licenses

- It is prohibited to use data contained in firmware or software developed by DEYE, in part or in full, for commercial purposes by any means.
- It is prohibited to perform reverse engineering, cracking, or any other operations that compromise the original program design of the software developed by DEYE.

Privacy Protection

- Information contained in this manual is the private property of Ningbo Deye Inverter Technology Co., Ltd. No part of this manual may be transmitted in any form without the prior written permission of Ningbo Deye Inverter Technology Co., Ltd. Internal reproduction is allowed only for product evaluation or other appropriate purposes.
- We declare that the network account and password data stored in the device system shall be used solely for the remote control and monitoring of the device, and shall not be transmitted to any third-party data platform without the user's permission.
- At our EV charger, we take the privacy of our customers seriously. We only collect charging information in accordance with applicable privacy laws and regulations.

Disposal

After the service life of the charger ends, please dispose of it in accordance with the applicable electrical waste disposal act at the installation location. It can also be returned to Ningbo Deye Inverter Technology Co., Ltd., but the relevant expenses shall be borne by your party.

About This Manual

The manual mainly contains product information, as well as guidelines for installation, operation, and maintenance.

Target Group

This manual is intended for qualified technicians who are responsible for the installation, operation, and maintenance of the charger, and end users who need to check charger parameters.

A qualified technician is required to meet the following requirements:

- Knowledge of electronics, electricity, and machinery, and be familiar with electrical and mechanical schematic diagrams.
- Training in the installation and commissioning of electrical equipment.
- Be able to quickly respond to hazards or emergencies that occur during installation and commissioning.
- Be familiar with local standards and relevant safety regulations of electrical systems.
- Read this manual thoroughly and understand the safety instructions related to operations.

EMC

In some cases, even if the equipment is in accordance with the standard emission limits, it can have an impact in certain application areas (some sensitive equipment is placed in the same location; the equipment is installed close to a radio or TV receiver), and the operator isobliged to take appropriate action to correct this situation.

How to Use This Manual

Please read this manual carefully before using the product and keep it properly in a place for easy access.

All contents, pictures, marks, and symbols in this manual are owned by DEYE. No part of this document may be reprinted by the non-internal staff of DEYE without written authorization.

Contents of this manual may be periodically updated or revised, and the actual product purchased shall prevail. Users can obtain the latest manual from service@deye.com.cn.

Symbols

This manual contains important safety instructions, which are highlighted with the following symbols, to ensure personal and property safety during usage, or to help optimize the product performance efficiently.



DANGER

Indicates high-risk potential hazards that, if not avoided, may lead to death or serious injury.



WARNING

Indicates moderate-risk potential hazards that, if not avoided, may lead to death or serious injury.



CAUTION

Indicates low-risk potential hazards that, if not avoided, may lead to minor or moderate injury.

1. Safe Introductions

This manual contains important instructions for the charger that shall be followed during installation, operation, and maintenance. Please review all warnings and notices before installing and using the charger.



WARNING

Do not install or use the charger near flammable, explosive, harsh or combustible materials, chemicals, or vapors.



WARNING

Turn off the power supply at the circuit breaker before installing or cleaning the charger.

NOTICE

- Use the charger only within the operation steps and parameters specified in this manual.
- Never spray water or any other liquid directly onto the charger body or the charging connector. Store the charger in the connector socket to prevent unnecessary damage.
- Do not attempt to disassemble, repair, tamper with or modify the charger. Contact DEYE for any repair or modification.
- Do not use the charger if it is defective, appears cracked, frayed, broken or otherwise damaged, or fails to operate. Please contact Deye in time.

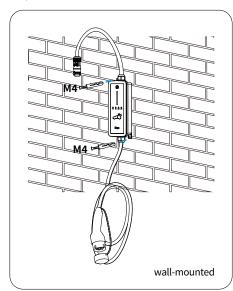
Be careful when transporting the charger. Do not subject it to strong force or impact or pull, twist, tangle, drag, or step on the charger to prevent damage to it or any components.

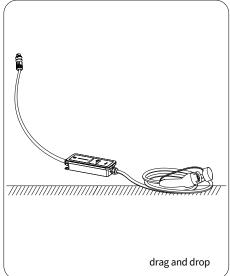
- Do not touch the end terminal of the charger with any part of your body or metal objects.
- Use of charger may affect or impair the operation of any medical or implantable electronic devices, such as implantable cardiac pacemakers or implantable cardi overter defibrillator. Please check with your electronic device manufacturer concerning the effects of the charger on such electronic devices before using the charger.

2. Introduction

2.1 Introduction of installation methods

The charger is used for AC charging of electric vehicles (EV/PHEV) and can be wall-mounted or drag and drop used.





· Ease of Use

EV drivers can start and stop charging via LCD screen of Deye hybrid inverter or App. When the vehicle is fully charged, the charging will stop. The charger also supports plug&play charging, which means the charging starts automatically as soon as the charging connector is plugged into the vehicle.

Smart and Easy Management

In addition to the LED lights on the charger that indicate charging status, EV drivers can visualize and control the charging session remotely via Deye cloud or Solarman.

· Sustainability

With an IP66 rating, the charger is water and dust proof, allowing for outdoor use and maintenance.

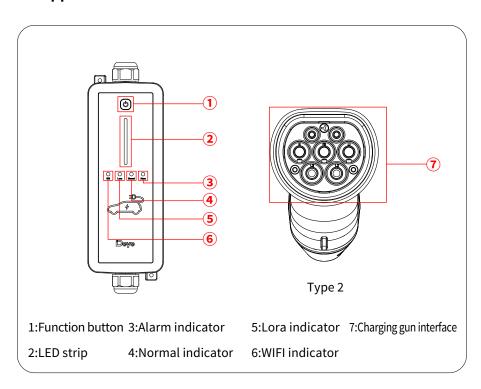
2.2 Model

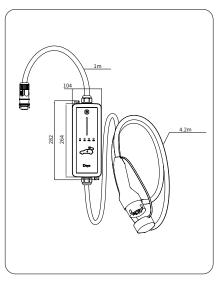
The charger comes in two versions for different use cases:

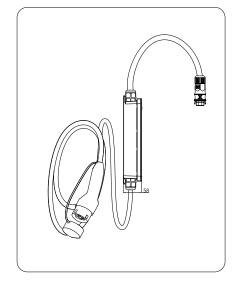
SUN-EVSE11K01-EU-AC

SUN-EVSE22K01-EU-AC

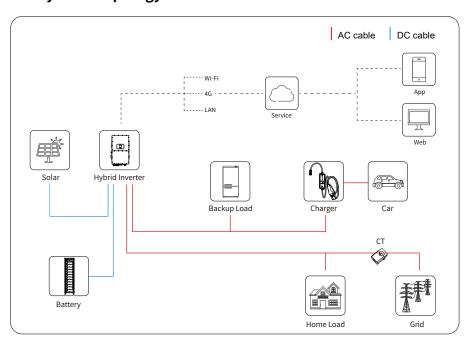
2.3 Appearance and Dimensions







2.4 System Topology



3. Installation

3.1 Introduction

· Location Requirements

Select an optimal mounting location for safe operation, long service life and expected performance.

Environment Requirements

- There must be no flammable hazards or ignition risks.
- The mounting location must be inaccessible to children.
- The ambient temperature and relative humidity must meet the following requirements.

Operating Temperature Range: -40 ~ +55°C

Permissible Ambient Humidity: 5% ~ 95% No condensation

- · Avoid exposure to direct sunlight.
- The charger should be well-ventilated for good air circulation.
- The mounting location must be away from living area. The charger will emit noises during operation that might be perceived as disturbing.





Recommended installation place

3.2 Unpacking and Inspection

Check the equipment before installation. Please make sure nothing is damaged in the package. You should have received the items in the following package:



AC cable x1

anti-collision bolt M4×80

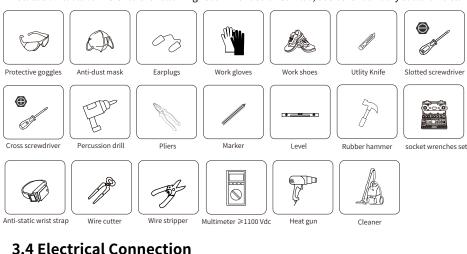


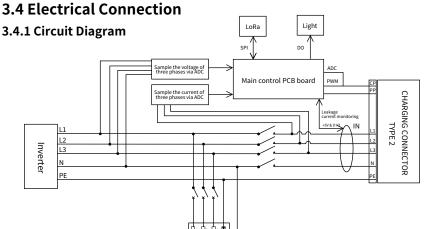
release tool x1



3.3 Installation Tools

Installation tools can refer to the following recommended ones. Also, use other auxiliary tools on site.





NOTICE

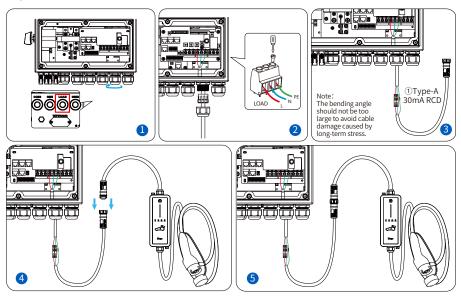
The charger already integrates a DC residual-current device (RCD) with a rated residual-current of 6 mA. However, the charger also requires a type A RCD of 30 mA to operate. Each charger in the system must be individually connected to the utility grid through an RCD and a miniature circuit breaker.

3.4.2 Recommended specification of AC cable and PE

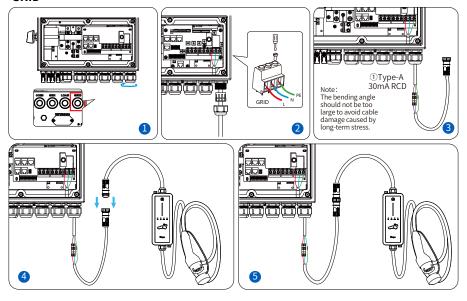
Model	Wire Size	Cross section
SUN-EVSE11K01-EU-AC	14AWG	1.5mm²
SUN-EVSE22K01-EU-AC	10AWG	4mm ²

3.4.3 Single phase connection

LOAD

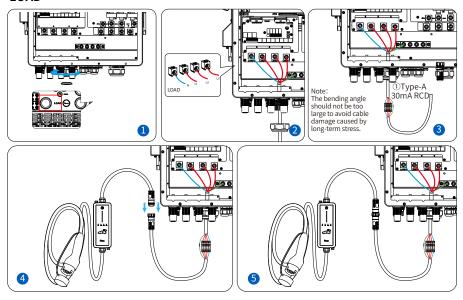


GRID

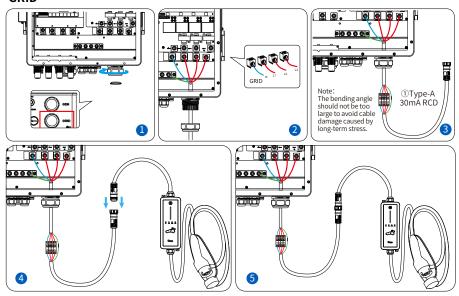


3.4.4 Three phase connection

LOAD



GRID



Note: When phase loss occurs on L2 or L3, the EV charger will not alarm

4. Inspection before Commissioning

· Location

The charger is correctly mounted at a place that is convenient for operation and maintenance.

· Charger

The charger is firmly and securely installed.

· Cable

Cables are correctly and firmly connected, and are adequately protected from damage.

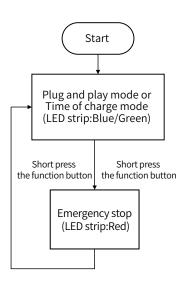
· Clearance

The charger has sufficient cooling space and there is no other stuff or components are left on the top of the charger.

- 1. Ensure that all requirements are met before commissioning.
- 2. Power on the charger.
- 3. Check the status of the indicators and confirm if this EV charger is operating properly.

Indicator	Status	Meaning	
Wi-Fi (Green LED)	Blink once per second during the process of sending and receiving messages.	Wi-Fi communication is normal	
WI-FI (Green LED)	OFF	No Wi-Fi communication	
LoRa (Green LED)	Blink once per second during the process of sending and receiving messages.	LoRa communication is normal	
Loka (Green LED)	OFF	No LoRa communication	
	ON	No alarm occured	
Normal (Yellow LED)	OFF	EV charger is unnormal, like the power supply is interrupted	
	Blink one time during the intervals of the alarm light cycle	A malfunction has occurred	
	Normal indicator blink one time Alarm indicator blink one time Normal indicator blink one time again. Cyclic	F1 overcurrent fault occurred	
	Normal indicator blink one time Alarm indicator blink two times Normal indicator blink one time again. Cyclic	F2 overvoltage fault occurred	
	Normal indicator blink one time→Alarm indicator blink three times→Normal indicator blink one time again. Cyclic	F3 undervoltage fault occurred	
Alarm(Red LED)	Normal indicator blink one time Alarm indicator blink four times Normal indicator blink one time again. Cyclic	F4 leakage current fault occured	
Note: From F1 to F11, the priority decreases	Normal indicator blink one time → Alarm indicator blink five times → Normal indicator blink one time again. Cyclic	F5 Short circuit occured in the guiding circuit	
sequentially. When multiple faults occur simultaneously, the	Normal indicator blink one time → Alarm indicator blink six times → Normal indicator blink one time again. Cyclic	F6 Relay fault occured	
fault code with the highest priority will be displayed.	Normal indicator blink one time → Alarm indicator blink seven times → Normal indicator blink one time again. Cyclic	F7 Charging circuit fault occured	
	Normal indicator blink one time→Alarm indicator blink eight times→Normal indicator blink one time again. Cyclic	F8 Overtemperature fault occured	
	Normal indicator blink one time → Alarm indicator blink nine times → Normal indicator blink one time again. Cyclic	F9 Low temperature warning	
	Normal indicator blink one time Alarm indicator blink ten times Normal indicator blink one time again. Cyclic	F10 Grounding fault	
	Normal indicator blink one time Alarm indicator blink eleven times Normal indicator blink one time again. Cyclic	F11 Lora communication fault	
	OFF	Normal	

Indicator	Status	Meaning
	Displaying a blue breathing light effect	Charging in 'plug and play' mode
	Displaying a green breathing light effect	Charging in 'Time of charge' mode
LED strip(tri-color LED)	Displaying a white breathing light effect	Updating
	Displaying a Purple breathing light effect	Enter channel scanning mode
	Red LED light is on	Emergency stop (The relays will disconnect)
	OFF	idle or A malfunction has occurred
Buzzer	Make a sound	Any faulty occuring
buzzer	Not making any sound	Normal
	Press and hold the button for at least 1 second until the LED strip turns purple.	Enter channel scanning mode
Function button	Short press the button LED strip: Blue/Green Short press the button LED strip turns Red	Emergency stop
	LED strip: Red Short press the button LED strip turns back to Blue/Green	Restore to the previous working state



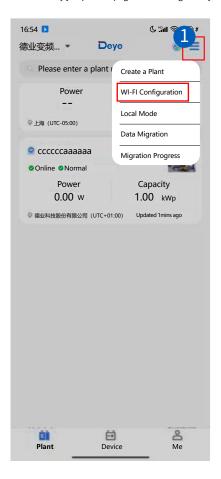
5.WiFi and Lora configuration

5.1 WiFi configuration

This series EV charger has built-in WIFI module(with Bluetooth function) which is able to connect router directly. For WIFI configuration, the following two methods are recommended.

5.1.1 WiFi configuration via APP

Step 1: Tap on " == " icon in the upper right corner of Deye cloud APP, select "Wi-Fi configuration" and automatically jump to the page for scanning nearby devices;





Step 2: Select the Select the AP hotspot of EV charger's built-in WiFi module;

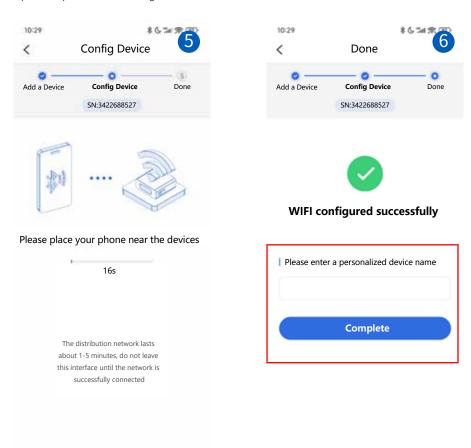
Step 3: Select an available 2.4G network, enter it's password and tap on "Next";





Step 4: Wi-Fi configuration is in process (Please don't leave this page and place your phone near the devices);

Step 5: After Wi-Fi configuration done, you could enter a personalized device name and tap on "Complete" to end the configuration.



5.1.2 WiFi configuration via localhost

For this method, please scan the QR code below to download the corresponding reference document



Webpage monitoring address: https://www.deyecloud.com To use the APP for monitoring on mobile devices, please scan the QR code below.





Scan QR code to download APP



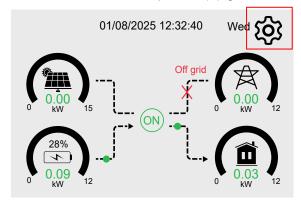
5.2.Lora configuration

5.2.1 Steps to establish Lora communication

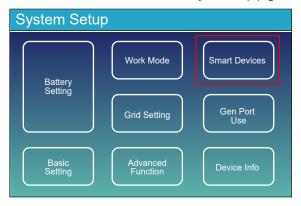
Step1: Bind the EV charger to the inverter.

Method 1:

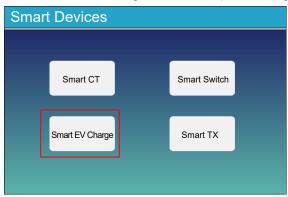
1. Enter the Main screen of inverter's LCD.Click on the gear icon in the upper right corner of the screen to enter the 'System Setup' page.



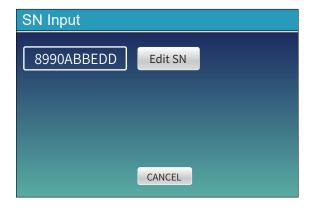
2. Click on the 'Smart Devices' item on the 'System Setup' page to enter the 'Smart Devices' page.



3. Click on the "Smart EV Charge" icon to enter the parameters page of EV Charger.



4. Click the long textbox before the "Enable" checkbox to enter the 'SN input' page.



5. Click the 'Edit SN' button and then click the 'OK' button on the 'SN input' page, the soft keyboard will display on the screen for you to type in the serial number (SN) of the EV charger, its series number can be found on its label.

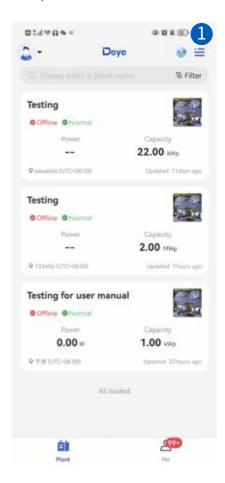


6.After completing the input and confirming it is correct, click "OK" to save the setting. Click the "DEL" button to delete incorrect data, and click the "CANCEL" button to cancel editing and exit.



Method 2:

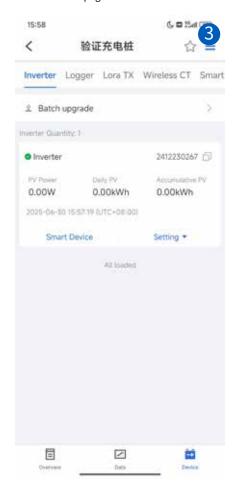
1. Click on the plant that needs to add an "EV Charger" on the plant listpage to enter the "Overview" page of the plant



2. Click on the "Device" item in the bottom right corner of the "Overview" page to enter the "Device" page

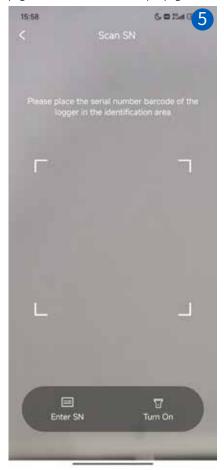


- 3. Click on the blue "Smart Devices" item in the middle of the "Inverter" page to enter the "Bind a Lora Device" page
- 4. Click on the "+" icon in the bottom right corner of the page to enter the "Scan SN" page.





5. Scan the QR code corresponding to the SN information of the EV chargeraccording to the prompts on this page. You can also click on the "Enter SN" icon in the bottom left corner of the page to enter the manual SN input page.



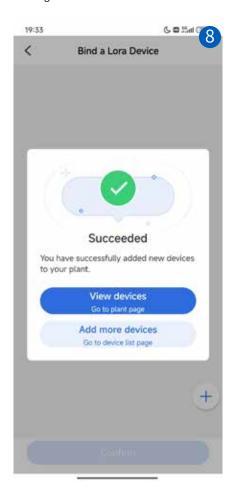
6. Manually enter the SN of the EV Charger, then click the "Confirm" buttonto confirm and complete the input.



7.Select 'Device Type' as' EV Charger', then click the "Confirm" button to confirm and complete the binding.

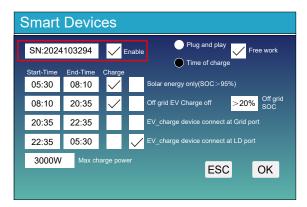


8.After completing the binding, the following message will pop up indicating successful binding.



Step 2: Enable the EVcharger and conduct communication channel scanning

After correctly inputting the SN of the EV charger and enabling the charger (as shown in Figure 5.2-1), press and hold the button(as shown in Figure 5.2-2) on EV charger body until its LED strip turns purple to enter channel scanning mode. Channel search completed, purple breathing light disappears. LoRa indicator starts flashing. On the inverter ON interface, the charging pile displays green.



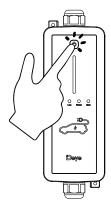


Figure 5.2-2

Figure 5.2-1

In Lora communication mode, the EV charger can work normally until the hybrid inverter has sent "Max charge power" to the EV charger after starting or restarting it.

5.2.2 Adjustment of Lora communication channel

There are several ways to adjust the Lora communication channel of EV charger:

Method 1: Adjust it on the localhost page of the built-in WiFi module of EV charger (as shown in Figure 5.2-4), and please refer to chapter 5.1.2 for the method of entering the localhost of EV charger.

Method 2: Refer to Chapter 6 to set the working mode (communication mode) of EV charger to WiFi

Method 2: Refer to Chapter 6 to set the working mode (communication mode) of EV charger to WiFi mode, and then adjust its communication channel(communication frequency) on the webpage or APP of the cloud platform(as shown in Figure 5.2-5).



Figure 5.2-3

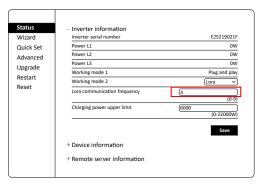


Figure 5.2-4



Figure 5.2-5

6. Setting of communication mode

This EV charger has two kinds of communication mode: WiFi mode and Lora mode.

WiFi mode: Using the built-in WiFi module of EV charger, upload the operational data of EV charger to the cloud platform directly, or send command to the EV charger through the cloud platform's webpage. Lora mode: Pair the built-in Lora module of EV charger with the smart TX master node of the hybrid inverter, and then upload the operational data of EV charger or receive the control commands through the Lora module of EV charger. This is the default communication mode.

There are following several methods to switch the communication modes:

Method1: Switch the communication mode through the localhost of EV charger's built-in WiFi module. step 1: Refer to chapter 5.1 to complete the WiFi configuration.

step 2: Use the mobile devices like smart phone or laptop to connect the AP hotspot of EV charger, the name of the AP hotspot is like AP_***(*** means SN of EV charger's WiFi module, as shown in figure 6.1).

step 3: Log in the localhost of EV charger's AP hotspot: 10.10.100.254, user name: admin, password: admin.

step 4: You can select the desired communication mode from the drop-down list of the "Working mode 2" sub item on the "Status" page, as shown in Figure 6.2

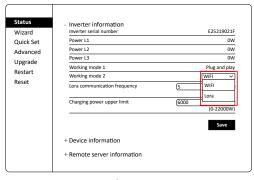


Figure 6.2

Method 2: Switch the communication mode through the webpage or APP of the cloud platform, as shown in Figure 6.3

Method 3:The other communication mode switching methods, like through LCD of the hybrid inverter, are still under development.

As shown below, different scenarios support different communication modes:

Scenario 1: No hybrid inverter, connect to other AC power sources for separate use. In this scenario, only support WiFi mode, but due to the default communication mode is lora mode, it's necessary to first change the communication mode through the aforementioned method 1.

Scenario 2: Connect to the Grid/Load port of the hybrid

inverter. In this scenario, both WiFi mode and Lora mode are supported.



SN of WIFI module

Figure 6.1

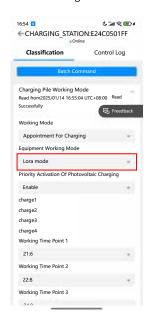
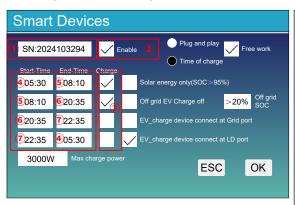


Figure 6.3

7.Local control mode

7.1 Explaination of parameters



Click on 'Smart EV charge' item in the down left corner of 'Smart Devices' page to enter the left page.

After checking the CheckBox in the upper left corner of the page, you can follow the steps below to enter the series number of the EV charger.

Plug and play: The EV charger will operate like a common load, without the need to follow programmable schedule settings.

Time of charge: Control the use of EV charger according to the programmable schedule. 24 hours a day will be divided into four time periods (only the fourth period can pass midnight), and whether

to use the EV charger to charge the electric vehicle during each time period can be controlled separately.

Solar energy only(SOC>95%): Only when the SOC of the battery rises to 99%, the excess solar energy from the hybrid inverter can be used to power the EV charger. If the SOC of the battery drops below 95%, the EV charger will shut down. In addition, even without sufficient solar energy, the minimum charging current of EV charger will be limited to 6A.

Free work: The AC power output from the inverter module (from solar power and battery discharging power) and the AC power input from the bypass circuit can both be used to power the EV charger.

Off grid EV Charge off: When the hybrid inverter switches to off-grid mode and the SOC of the battery isn't bigger than the set value of 'Off grid SOC', the EV charger will be automatically turned off.

Off grid SOC: When the hybrid inverter switches to off-grid mode, the EV charger will keep operating if the SOC of the battery is bigger than this set value.

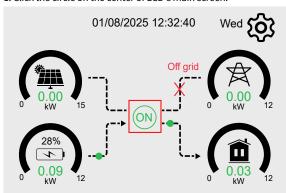
EV_charge device connect at Grid port: The EV charger is connected to the Grid port of the hybrid inverter.
EV_charge device connect at LD port: The EV charger is connected to the Load port of the hybrid inverter.
Max charge power: The maximum charging power allowed in both 'Plug and play' mode and 'Time of charge' mode.

Set the parameters of EV charger on the LCD of the inverter

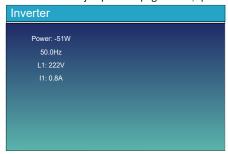
- ①: Type the SN number of EV charger into the textbox in zone 1.
- ②: Check or uncheck to enable or disable the EV charger.
- 3: Check or uncheck to determine whether to use the EV charger to charge the EV during the current time period or not.
- 4: The start time of the first time period and the end time of the fourth time period.
- (5): The start time of the second time period and the end time of the first time period.
- **(6)**: The start time of the third time period and the end time of the second time period.
- ①: The start time of the fourth time period and the end time of the third time period.

7.2 View operating status via LCD

1. Click the circle on the center of LCD's main screen.



2. After the screen jumps to the page below, press the 'UP' or 'Down' button to enter the next page.

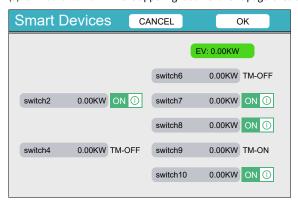


	27 W	0 W 0.0 Hz		27 W 50.0 Hz	
230V 228V 229V	10W 0W 10W	0V 0V 0V HM:	0.0A 0.0A 0.0A LD:	230V 230V 230V	0.0A 0.0A 0.0A
Lo	oad	OW	OW	INV_P: 10W	
	C:28% 4W	ow ow	ow ow	7W 10W	AC_T: 41.0 C erter
BAT_V:5 1.87 A 22.4 C	0.69 V	DC_P1: DC_V1: DC_I1: 0.		DC_P2: DC_V2: DC_I2: (
Ва	ttery	P)	V1	Р	V2

Single phase hybrid inverter

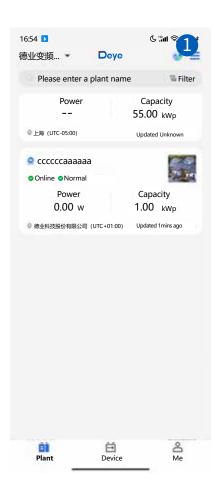
Three phase hybrid inverter

- 3. In this detail information page of smart devices, you can check the operating status of EV charger at current time. There are three scenarios as below:
- (1)Normally operating: the icon of EV in the upper right corner of this page is green and the charging power at current time is displaying.
- (2) If the icon of EV in the upper right corner of this page is gray, which means the EV charger fails to communicate with the inverter. Please back to the parameters setting page of EV charger to check these items: Whether the SN of EV charger in text box is correct; Whether the EV charger has been enabled. Whether the communicating channel of smart TX is channel 6(The default communicating channel of EV charger is channel 6).
- (3)Alarm: the icon of EV in the upper right corner of this page is red and the fault code is displaying.

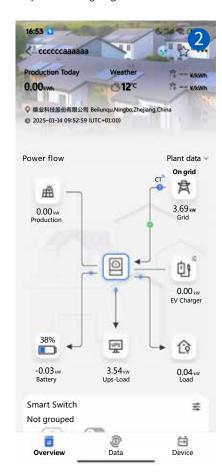


8. Remote control via APP

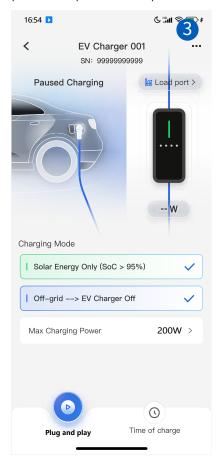
1. Find out the solar plant which the EV charger is bound in the plant list of the APP.

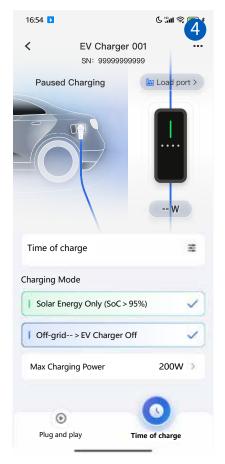


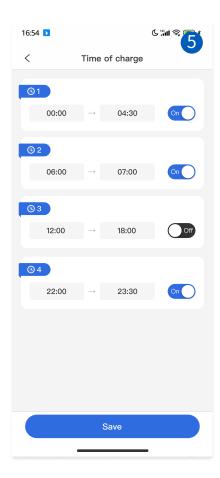
After entering the overview page of the solar plant, you can find the icon of EV charger inside the power flowing diagram.



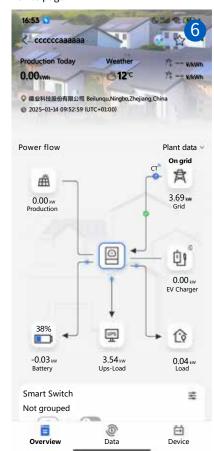
3. Click the icon of EV charger inside the power flowing diagram, the APP will turn to the operation status page of EV charger. And you can also change the settings of EV charger in this page. All these parameters are the same with the parameters on the LCD of inverter, please check the parameters explanation on chapter 7.1







4. Back to the overview page of the solar plant, and then click the "Devices" item on the down right corner of overview page to enter the Device page.

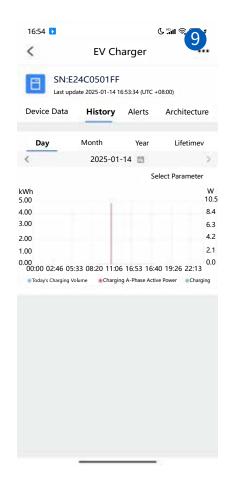


16:54 C 🕍 🥱 Doyo Search by device SN Filter EV Charger Online: 1 2 Offline: 1 All Quantity Alert: 0 EV Charger E24C0501FF 2025-01-14 15:53:34 UEC+08:00 EV Charger 2024103294 2025-01-11 09:48:01V UEC+08:00 All loaded ΔÌ Device

5. On the Device page, you can find the EV charger you need to set. Click the item of the corresponding EV Charger to enter its "Device Data" page. On this page, you can see the following information: Nameplate value, Basic Information, Version Information, Charging Information.

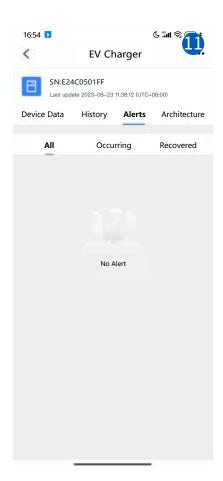


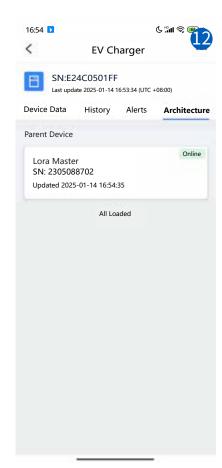
- 6. On the menu line of "Device Data" page, click "History" to enter the page for displaying and querying historical information. Historical data can be presented in different time periods, such as day, month, year, and lifetime, after you have clicked the corresponding time item.
- 7. Click on "Select parameter" in the upper right corner of the data chart, you can choose the parameters wanted to display in the data chart on the pop page.





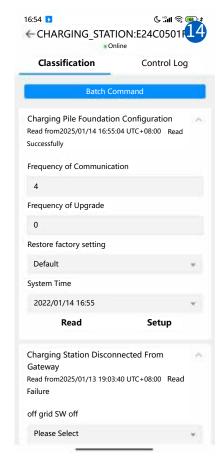
- 8. Click "Alerts" item on the menu line to enter the Alerts information page.
- 9. Click "Architecture" item on the menu line to check the Parent Device of this EV charger.





- 10. Click the "..." icon on the up right corner of the APP, and then select the "Remote control" option on the pop menu to enter the "Classification" page.
- 11. There are two subordinate pages for Remote control, and on the "Classification" page, you can set the parameters below .





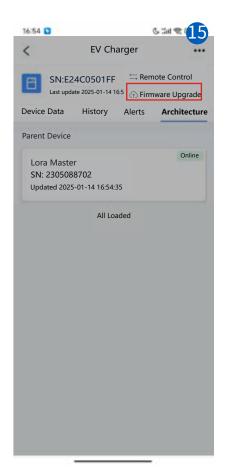
Frequency of Communication: Choose the communication channel (frequency) for the EV charger to communicate with Lora master of hybrid inverter.

Frequency of Upgrade: Choose which communication channel (frequency) to use to upgrade the firmware of EV charger.

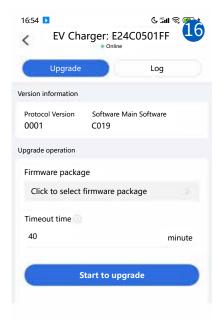
Restore factory setting: Restore all parameters of EV charger to the default values of the firmware.

System Time: Change the system time of EV charger.

Off grid SW off: Automatically turn off the EV charger when the inverter switches to off grid mode.



12. Click the "Firmware Upgrade" button on the up right corner of the "Classification" page to enter the Page below. In this page, you can find the current firmware information of EV charger. In the Upgrade operation zone, you can select the firmware package which is used to upgrade the firmware of EV charger, and then click the button "Start to upgrade" to conduct the upgrading process. "Timeout time " is the time upper limit for firmware upgrade, default value 40, range: 0~60.



Work Mode: Choose the work mode between "Plug and Play", "Time of Charge".

Equipment Working Mode: Optional mode includes: Lora mode and WiFi mode. In Lora mode, remote commands are sent to the inverter through its logger, and the inverter then sends them to the EV charger through Lora communication. In wifi mode, remote commands are directly send by the cloud platform to the built-in wifi module of EV charger Charge 1/2/3/4 and Working Time

Point 1/2/3/4 are corresponding to the parameters under time of charge mode on the LCD.

9. Troubleshooting

Erro	r	Message	Solution
Wi-Fi(Green L indicator is O		No Wi-Fi connection	Confirm if the Wi-Fi network of EV charger has been configured. If not, the network needs to be configured. Confirm if the Wi-Fi signal of the router at the installation location of EV charger is weak due to distance or excessive obstacles, if so, please shorten the distance or increase a signal booster.
LoRa(Green L indicator is O		No LoRa connection	1. Confirm whether the hybrid inverter has started up normally, if not, please wait for the LoRa module of inverter to start up. 2. Confirm that the SN of EV charger has been added to the smart device page of the inverter, and that the LoRa communication connections between other smart devices and the hybrid inverter are normal. If the EV charger has been added and the other smart devices can communicate with inverter normally, then maybe the LoRa module is fault or damaged. 3. Restart the EV charger, if Lora communication still can not be normal, please contact Deye support team for repairing or replacing.
	F1	The actual charging current of EVAC charger is greater than the charging current upper limit sent by the hybrid inverter, and last for more than 5 seconds. Possible reasons: 1. Hardware issues with electric vehicle charging circuits. 2. The built-in current sampling circuit of EVAC charger is faulty.	1. Unplug and re-plug and the EV charger connector. 2. Increase the upper limit of charging current. 3. Replace the built-in PCB of EV charger's wall box
Alarm(Red LED)indicator is blinking	F2	1.The input voltage exceeds the upper limit(default value is 266.5V). 2.The voltage sampling circuit is faulty.	In idle state, after the voltage returns to the normal range 182-266.5V, the charger will return to normal. If this fault occurs during the charging process and the voltage returns to the normal range, the charger needs to be unpluged and pluged in again to resume normal operation. If the problem occurs repeatedly: 1. Check if the input voltage of EV charger is really too high or the upper limit of input voltage is too low. 2. Properly increase the upper limit of the input voltage and ensure the input voltage is in reasonable range. 3. Replace the built-in PCB of EV charger's wall box.
	F3	1.The input voltage is below the lower limit (default value is 182V). 2.The voltage sampling circuit is faulty.	In idle state, after the voltage returns to the normal range 182-266.5V, the charger will return to normal. If this fault occurs during the charging process and the voltage returns to the normal range, the charger needs to be unpluged and pluged in again to resume normal operation. If the problem occurs repeatedly: 1. Check if the input voltage of EV charger is really too low or the lower limit of input voltage is too high. 2. Properly decrease the lower limit of the input voltage and ensure the input voltage is in reasonable range. 3. Replace the built-in PCB of EV charger's wall box.

Erroi	r	Message	Solution
	F4	1.More than 6 mA continuous residual current is detected. 2.The leakage current sampling CT isn't installed properly	Check if there is any damage to the wiring between the Wall box and the Charging connector. Restart the EV charger, unplug and plug the charging connector, than try again. Disassemble the wall box and reinstall the leakage current sampling CT correctly If the problem occurs repeatedly, please contact Deye after-sales support team.
	F5	The voltage of CP circuit to ground is 0V, or the voltage is not equal to 6,9,12V	1.Check if the charging connector is in good condition and free of foreign objects. 2. Restart the EV charger, unplug and plug the charging connector, and then try again. If the problem occurs repeatedly, please contact Deye after-sales support team.
	F6	One or more built-in relays are faulty. Possible reasons: 1. The relay is stuck and cannot be disconnected. 2. The relay cannot be engaged.	Restart the EV charger, unplug and plug the charging connector, and then try again. If the problem occurs repeatedly, please contact Deye after-sales support team.
Alarm(Red LED)indicator is blinking	F7	More than 1A charging current is detected when the built-in relays are not engaged. Possible reasons: Some components inside the wall box are faulty.	Restart the EV charger, unplug and plug the charging connector, and then try again. If the problem occurs repeatedly, please contact Deye after-sales support team.
IS DUNKING	F8	The temperature detected by the sensor exceed 110°C. Possible reasons: 1.0vertemperature caused by high frequency of relay opening and closing. 2.The ventilation and heat dissipation at the installation site are poor	1.Make sure the input voltage of EV charger is stable. 2.Make sure good ventilation conditions at the installation point of the wall box and that the wall box is not covered by other objects. 3.Power off the EV charger, and cool down it for a period of time before restarting If the problem occurs repeatedly, please contact Deye after-sales support team.
	F9	1.The temperature detected by the sensor is lower than -40 °C. 2.The temperature sensor hasn't been assembled correctly.	1. Measure the ambient temperature to check whehter it is lower than -40°C or not. 2. Disassemble the wall box and reinstall the temperature sensor. 3. Contact Deye after-sales support team for help.
	F10	The PE wire is not connected or connected incorrectly	1.Check the PE wire connection of EV charger. In the following scenarios, EV chargers must be directly grounded: (1) Connect to single phase hybrid inverter. (2) Connect to the grid port of the three phase hybrid inverter. (3) No hybrid inverter, connect to other AC power sources for separate use. 2.When connecting an EV charger to the load port of a three-phase hybrid inverter and using it during off-grid operation of the hybrid inverter, it is necessary to enable the hybrid inverter's "signal island mode".
	F11	Lora communication fault. The chip for lora communica- tion hasn't welded well	1.Disassemble the wall box and check if all the welding points of Lora communication chip are in good condition. 2.Contact Deye after-sales support team for help.

Note:For F6 & F11, after the fault is restored, restart the EV charger to restore normal operation. For other errors. For faults other than F6 and F11, the fault alarm time cycle is 20 seconds. If the fault is restored during this period, the EV charger will resume normal operation after the 20 second time cycle ends. Otherwise, after 20 seconds, the fault monitoring unit will retest and determine if the fault still exists. If no fault has occurred at the current time, the EV charger will immediately return to normal.

10. Technical Data

Product Parameter 230Va.c.(0.8Un to 1.15Un) 230Va.c.(0.8Un to 1.15Un), 400Va.c.(0.8Un to 1.15Un), 400Va.c.(0.8Un to 1.15Un) Connection Mode 3L+N+PE L+N+PE,3L+N+PE Rated Current 16Aa.c. 32Aa.c. Rated Frequency 50/60Hz Maximum Output Power 11kW 7kW (single phase) 22kW (three phase) Starting Method Plug And Play/Charge After Scanning/Appointment For Charging Equipment Protection Yes Over Temperature Protection Yes Under Voltage Protection Yes Under Voltage Protection Yes Short Circuit Protection Yes Over Load Protection Yes Leakage Current Protection Yes Leakage Current Protection DC 6mA Surge Protection Level TYPE II General Data Operating Temperature Range 40 ~ +55°C Permissible Ambient Humidity 5% ~ 95% No condensation Permissible Altitude ≤3000m Noise <25db Ingress Protection(IP) Rating IP66 Cabinet Size (W*H*D) [mm] 104x264x58	Model	SUN-EVSE11K01-EU-AC	SUN-EVSE22K01-EU-AC
A00Va.c.(0.8Un to 1.15Un) A00Va.c.(0.8Un to 1.15Un)	Product Parameter		
Rated Current 16Aa.c. 32Aa.c. Rated Frequency 50/60Hz Maximum Output Power 11kW 7kW (single phase) 22kW (three phase) Starting Method Plug And Play/Charge After Scanning/Appointment For Charging Equipment Protection Over Temperature Protection Ves Over Voltage Protection Yes Under Voltage Protection Yes Over Load Protection Yes Earth Fault Protection Ves Leakage Current Protection Ves Leakage Current Protection Operating Temperature Range Vermissible Ambient Humidity 5% ~ 95% No condensation Permissible Ambient Humidity 5% ~ 95% No condensation Permissible Altitude ≤3000m Noise < 25db	Rated Voltage	400Va.c.(0.8Un to 1.15Un)	, , , , , , , , , , , , , , , , , , , ,
Maximum Output Power 11kW 7kW (single phase) 22kW (three phase) Starting Method Plug And Play/Charge After Scanning/Appointment For Charging Equipment Protection Over Temperature Protection Ves Low Temperature Protection Ves Under Voltage Protection Yes Short Circuit Protection Yes Over Load Protection Yes Carth Fault Protection Leakage Current Protection Operating Temperature Range Permissible Ambient Humidity Permissible Altitude Noise Cabinet Size (W*H*D) [mm] Weight[kg] Gun Cable Length Number Of Charging Guns En IEC 61851-1:2019, IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017, EN 300 328 V2.2.2:2019, EN IEC 62311:2020, EN 301 489-1 V2.2.3:2019, EN IEC 61851-1:21-2:1919, IEC 61000-6-3:2021, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021	Connection Mode	3L+N+PE	L+N+PE,3L+N+PE
Maximum Output Power11kW7kW (single phase) 22kW (three phase)Starting MethodPlug And Play/Charge After Scanning/Appointment For ChargingEquipment ProtectionYesOver Temperature ProtectionYesLow Temperature ProtectionYesOver Voltage ProtectionYesUnder Voltage ProtectionYesShort Circuit ProtectionYesOver Load ProtectionYesEarth Fault ProtectionDC 6mASurge Protection LevelTYPE IIGeneral Data-40 ~ +55°COperating Temperature Range-40 ~ +55°CPermissible Ambient Humidity5% ~ 95% No condensationPermissible Altitude\$3000mNoise< 25db	Rated Current	16Aa.c.	32Aa.c.
Starting Method Plug And Play/Charge After Scanning/Appointment For Charging Equipment Protection Over Temperature Protection Ves Low Temperature Protection Over Voltage Protection Under Voltage Protection Ves Short Circuit Protection Ves Short Circuit Protection Ves Earth Fault Protection Ves Earth Fault Protection DC 6mA Surge Protection Level TYPE II General Data Operating Temperature Range Permissible Ambient Humidity Permissible Altitude Noise Ingress Protection(IP) Rating Cabinet Size (W*H*D) [mm] Vergent Size (M*H*D) [mm] V	Rated Frequency	50/6	50Hz
Equipment Protection Over Temperature Protection Low Temperature Protection Over Voltage Protection Ves Under Voltage Protection Yes Short Circuit Protection Over Load Protection Yes Earth Fault Protection Leakage Current Protection DC 6mA Surge Protection Level General Data Operating Temperature Range Permissible Ambient Humidity Permissible Altitude Noise <25db Ingress Protection(IP) Rating Cabinet Size (W*H*D) [mm] Number Of Charging Guns Warranty Safety EMC/Standard General Data Fin IEC 61851-1:2019, IEC 61851-1:2019, EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021	Maximum Output Power	11kW	
Over Temperature Protection Yes Low Temperature Protection Yes Over Voltage Protection Yes Under Voltage Protection Yes Short Circuit Protection Yes Over Load Protection Yes Earth Fault Protection DC 6mA Surge Protection Level TYPE II General Data -40 ~ +55°C Permissible Ambient Humidity 5% ~ 95% No condensation Permissible Altitude ≤3000m Noise <25db	Starting Method	Plug And Play/Charge After Scan	ning/Appointment For Charging
Low Temperature Protection Over Voltage Protection Ves Under Voltage Protection Yes Short Circuit Protection Over Load Protection Yes Earth Fault Protection Earth Fault Protection Ocenary Earth Fault Protection DC 6mA Surge Protection Level General Data Operating Temperature Range Permissible Ambient Humidity Permissible Altitude Noise Ves 40 ~ +55°C Permissible Altitude Sa000m Noise Ves Leakage Current Protection DC 6mA Surge Protection Level TYPE II General Data Operating Temperature Range 40 ~ +55°C Permissible Ambient Humidity For No condensation Permissible Altitude Sa000m Noise Ves Ves En le66 Cabinet Size (W*H*D) [mm] 104x264x58 Weight[kg] 3.7 Gun Cable Length 4.2m Number Of Charging Guns I Warranty En leC 61851-1:2019, IEC 61851-1:2017, En 300 220-2 V3.1.1:2017, En 300 328 V2.2.2:2019, En Side Geal Side Side Side Side Side Side Side Side	Equipment Protection		
Over Voltage Protection Yes Under Voltage Protection Yes Short Circuit Protection Yes Over Load Protection Yes Earth Fault Protection DC 6mA Surge Protection Level TYPE II General Data Operating Temperature Range Operating Temperature Range -40 ~ +55°C Permissible Ambient Humidity 5% ~ 95% No condensation Permissible Altitude ≤3000m Noise < 25db	Over Temperature Protection	Ye	es
Under Voltage Protection Short Circuit Protection Yes Over Load Protection Earth Fault Protection Leakage Current Protection Surge Protection Level General Data Operating Temperature Range Permissible Ambient Humidity Permissible Altitude Noise <25db Ingress Protection(IP) Rating Cabinet Size (W*H*D) [mm] Warranty Safety EMC/Standard Fin IEC 61851-1:2017, EN 300 328 V2.2.2:2019, EN IEC 62311:2020, EN 301 489-1 V2.2.3:2019, EN IEC 61801-21-2:2021 General Data Yes Yes Yes 1 1 104 264 MA Number Of Charging Guns Length A.2m Number Of Charging Guns Safety EMC/Standard Fin IEC 61801-1:2017, EN 300 328 V2.2.2:2019, EN IEC 62311:2020, EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021 General Data	Low Temperature Protection	Ye	es
Short Circuit Protection Yes Over Load Protection Yes Earth Fault Protection DC 6mA Leakage Current Protection Level TYPE II General Data Operating Temperature Range -40 ~ +55°C Permissible Ambient Humidity 5% ~ 95% No condensation Permissible Altitude ≤3000m Noise <25db	Over Voltage Protection	Ye	es
Over Load Protection Earth Fault Protection Ves Leakage Current Protection Surge Protection Level TYPE II General Data Operating Temperature Range Permissible Ambient Humidity Permissible Altitude Sanoom Noise Ves Ingress Protection(IP) Rating IP66 Cabinet Size (W*H*D) [mm] I04x264x58 Weight[kg] Gun Cable Length Number Of Charging Guns Warranty EN IEC 61851-1:2019, IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017, EN 300 328 V2.2.2:2019, EN IEC 62311:2020, EN 301 489-1 V2.2.3:2019, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021 General Data	Under Voltage Protection	Ye	es
Earth Fault Protection Leakage Current Protection Surge Protection Level General Data Operating Temperature Range Permissible Ambient Humidity Permissible Altitude Sanoom Noise < 40 ~ +55°C Permissible Altitude Sanoom Noise < 25db Ingress Protection(IP) Rating Cabinet Size (W*H*D) [mm] 104x264x58 Weight[kg] Gun Cable Length Number Of Charging Guns Warranty Safety EMC/Standard EN IEC 61851-1:2019,IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017,EN 300 328 V2.2.2:2019, EN IEC 62311:2020,EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023,EN 301 489-1 V3.3.1:2024, EN IEC 61851-21-2:2021 General Data	Short Circuit Protection	Ye	es
Leakage Current Protection DC 6mA Surge Protection Level TYPE II General Data Type II Operating Temperature Range -40 ~ +55°C Permissible Ambient Humidity 5% ~ 95% No condensation Permissible Altitude ≤3000m Noise < 25db	Over Load Protection	Ye	es
Surge Protection Level TYPE II General Data Operating Temperature Range -40 ~ +55°C Permissible Ambient Humidity 5% ~ 95% No condensation Permissible Altitude ≤3000m Noise <25db	Earth Fault Protection	Ye	es
General Data Operating Temperature Range -40 ~ +55 °C Permissible Ambient Humidity 5% ~ 95% No condensation Permissible Altitude ≤3000m Noise <25db	Leakage Current Protection	DC 6	6mA
Operating Temperature Range -40 ~ +55°C Permissible Ambient Humidity 5% ~ 95% No condensation Permissible Altitude ≤3000m Noise <25db	Surge Protection Level	TYP	PE II
Permissible Ambient Humidity 5% ~ 95% No condensation Permissible Altitude ≤3000m Noise <25db	General Data		
Permissible Altitude ≤3000m Noise <25db Ingress Protection(IP) Rating IP66 Cabinet Size (W*H*D) [mm] 104x264x58 Weight[kg] 3.7 Gun Cable Length 4.2m Number Of Charging Guns 1 Warranty 5 Years EN IEC 61851-1:2019,IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017,EN 300 328 V2.2.2:2019, EN IEC 62311:2020,EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023,EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019,EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021 General Data	Operating Temperature Range	-40 ~ -	+55°C
Noise <25db	Permissible Ambient Humidity	5% ~ 95% No	condensation
Ingress Protection(IP) Rating	Permissible Altitude	≤300	00m
Cabinet Size (W*H*D) [mm] 104x264x58 Weight[kg] 3.7 Gun Cable Length 4.2m Number Of Charging Guns 1 Warranty 5 Years EN IEC 61851-1:2019,IEC 61851-1:2017, EN 300 328 V2.2.2:2019, EN IEC 62311:2020,EN 301 489-1 V2.2.3:2019, EN IEC 62311:2020,EN 301 489-1 V2.2.3:2019, EN IEC 61000-6-1:2019,EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021 General Data	Noise	< 2	5db
Weight[kg] 3.7 Gun Cable Length 4.2m Number Of Charging Guns 1 Warranty 5 Years EN IEC 61851-1:2019,IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017,EN 300 328 V2.2.2:2019, EN IEC 62311:2020,EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023,EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019,EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021 General Data	Ingress Protection(IP) Rating	IP	66
Gun Cable Length 4.2m Number Of Charging Guns 1 Warranty 5 Years EN IEC 61851-1:2019,IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017,EN 300 328 V2.2.2:2019, EN IEC 62311:2020,EN 301 489-1 V2.2.3:2019, EN IEC 62311:2020,EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023,EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019,EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021 General Data	Cabinet Size (W*H*D) [mm]	104x2	64x58
Number Of Charging Guns Warranty 5 Years EN IEC 61851-1:2019,IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017,EN 300 328 V2.2.2:2019, EN IEC 62311:2020,EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023,EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019,EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021 General Data	Weight[kg]	3.	.7
Warranty 5 Years EN IEC 61851-1:2019, IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017, EN 300 328 V2.2.2:2019, EN IEC 62311:2020, EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023, EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019, EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021 General Data	Gun Cable Length	4.2	Σm
EN IEC 61851-1:2019,IEC 61851-1:2017, EN 300 220-2 V3.1.1:2017,EN 300 328 V2.2.2:2019, EN IEC 62311:2020,EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023,EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019,EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021 General Data	Number Of Charging Guns	1	l
Safety EMC/Standard EN 300 220-2 V3.1.1:2017,EN 300 328 V2.2.2:2019, EN IEC 62311:2020,EN 301 489-1 V2.2.3:2019, EN 301 489-3 V2.3.2:2023,EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-1:2019,EN IEC 61000-6-3:2021, EN IEC 61851-21-2:2021 General Data	Warranty	5 Ye	ears
	Safety EMC/Standard	EN 300 220-2 V3.1.1:2017 EN IEC 62311:2020,EN EN 301 489-3 V2.3.2:2023,E EN IEC 61000-6-1:2019,	V,EN 300 328 V2.2.2:2019, 301 489-1 V2.2.3:2019, EN 301 489-17 V3.3.1:2024, EN IEC 61000-6-3:2021,
Communication Mode LoRa/Wi-Fi/Bluetooth	General Data		
	Communication Mode	LoRa/Wi-Fi	/Bluetooth

Lora communication distance	200m		
Operating Frequency Band	/ Maximum output power		
Wi-Fi	2412-2472MHz (TX/RX) / 18.38dBm		
Bluetooth Low Energy	2402-2480MHz (TX/RX) / 8.39dBm		
Short Range Device	863-870MHz (TX/RX) / -1.49dBm		
Lora Parameter			
Frequency range	863MHz-870MHz		
Antenna	Internal Antenna		
Antenna gain	0.56dBi		

11. EU Declaration of Conformity

within the scope of the EU directives

- Radio Equipment Directive 2014/53/EU (RED)
- Restriction of the use of certain hazardous substances 2011/65/EU)(RoHS)



NINGBO DEYE INVERTER TECHNOLOGY CO., LTD. confirms herewith that the products described in this document are in compliance with the fundamental requirements and other relevant provisions of the above mentioned directives. The entire EU Declaration of Conformity and certificate can be found at https://www.deyeinverter.com/download/#smart-load.

2025-07-15



EU Declaration of Conformity

Product: EV charging station (AC charging pile)

Models:SUN-EVSE22K01-EU-AC; SUN-EVSE11K01-EU-AC

Name and address of the manufacturer: Ningbo Deye Inverter Technology Co., Ltd.

No. 26 South YongJiang Road, Daqi, Beilun, NingBo, China

This declaration of conformity is issued under the sole responsibility of the manufacturer. Also this product is under manufacturer's warranty.

This declaration of conformity is not valid any longer: if the product is modified, supplemented or changed in any other way, as well as in case the product is used or installed improperly.

The object of the declaration described above is in conformity with the relevant Union harmonization legislation:

- Radio Equipment Directive (RED) 2014/53/EU.
- Restriction of the use of certain Hazardous Substances (RoHS) Directive 2011/65/EU and 2015/863/EU



References to the relevant harmonized standards used or references to the other technical specifications in relation to which conformity is declared:

Health and Safety (RED, Article 3.1a)	
EN IEC 62311-2020	•
EMC (RED, Article 3.1b)	
EN IEC 61851-21-2:2021	
EN IEC 61000-6-1-2019	
EN IEC 61000-6-3:2021	•
EN IEC 61851-1-2019	
EN 301489-1 V2.2.32019	
EN 301489-3 V2.3.2:2023	•
EN 301489-17 V 3.3.1:2024	•
Radio Aspects (RED, Article 3.2)	
EN 300328 V2.2.2:2019	
EN 300220-2 V 3 1.1:2017	
RoHS	
EN IEC 63000:2018	•

Additional information: CE mark was affixed on the product since 2024.



DOC-DY250703001 www.deyeinverter.com

Nom et Titre / Name and Title:

Au nom de / On behalf of: Date / Date (yyyy-mm-dd): A / Place: Bard Dai Senior Standard and Certification Engineer 中意识的文字 大學學園 Ningbo Bey Inwerter Technology Co., Ltd. 2025-07-03 Ningbo, China

NINGBO DEYE INVERTER TECHNOLOGY CO., LTD

Add.: No.26 South YongJiang Road, Daqi, Beilun, NingBo, China.

Tel.: +86 (0) 574 8622 8957 Fax.: +86 (0) 574 8622 8852 E-mail: service@deye.com.cn Web.: www.deyeinverter.com



30240301004828