

Deye
Smart TX
SUN-SMART-TXU1



SAFETY INSTRUCTIONS

Smart TX is the main node used to establish communication between the inverter and smart CT, smart switch and smart plug.
Safety Instructions

Labels	Description
	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. — Symbole pour le marquage des appareils électriques et électroniques conformément à la directive 2002/96/CE. Indique que l' appareil, les accessoires et l' emballage ne doivent pas être jetés avec les ordures ménagères non triées et doivent être collectées séparément à la fin de leurs utilisations. Veuillez suivre les ordonnances ou règlements locaux pour la disposition de l' équipement ou contactez un représentant agréé du fabricant pour obtenir des renseignements concernant la mise hors service des équipements.
	Voltage-free only when the plug is pulled. — Sans tension uniquement lorsque le préteau est retiré.
	Do not stack for use. — Ne pas empiler pour l'utilisation.
	Indoor use. — Utilisation intérieure.

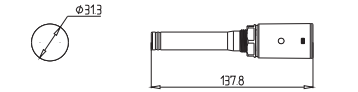
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

FCC warning:
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
-Reorient or relocate the receiving antenna.
-Increase the separation between the equipment and receiver.
-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

 RCM mark of conformity.
— Marquage RCM de conformité.

Product Size

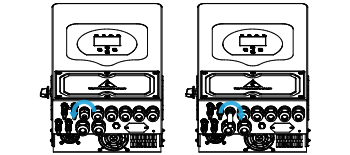


Part list

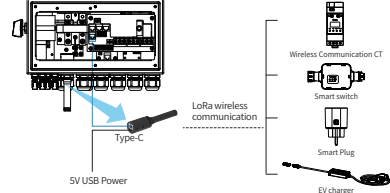


Instruction of installation

Step1: Unscrew the sealing cover of one COM inlet of the inverter, and fix the smart TX to this inlet.



Step2: Connect the meter port of the inverter and the RJ45 port of the smart TX using the communication cable from the accessory package.
Step3(Optional): If the meter port of inverter can't output 5V DC power, please use the external USB to Type-C power cable to connect the Type-C port of Smart TX and the external power source.



Indicator Light Description



Indicator	Status	Description
RS485 Indicator	Steady on	Indicates that no communication is detected.
	Flashing at 1-second intervals	Indicates that communication is normal.
	Flashing at intervals shorter than 1 second	During firmware upgrading, it flashes synchronously with LoRa indicator at intervals shorter than 1 second (approximately 0.5 seconds, depending on communication speed).
Lora indicator	Steady on	Indicates that no communication is detected.
	Flashing at 1-second intervals	Indicates that communication is normal.
	Flashing at intervals shorter than 1 second	During firmware upgrading, it flashes synchronously with RS485 indicator at intervals shorter than 1 second (approximately 0.5 seconds, depending on communication speed).

Technical Data

Electrical parameter	
Input	TypeC-5V DC, <0.3W
Communication	
Communication Mode	Lora
Communication Distance	200m(Without sheltter)
Basic parameters	
Operating Temperature Range (°C)	-40 to 60°C
Permissible Ambient Humidity	0-100%
Ingress Protection(IP) Rating	IP20 (After installation IP65)
Permissible Altitude	≤4000
Size	137.8*31.3*31.3mm
Weight	45.8g
Warranty	5 Years
Standard	IEC/EN 62368-1, CSA/UL 62368-1
Lora parameters	
Frequency Range	920MHz-928MHz
Antenna	Built-in
Antenna Gain	-0.30dBi@921MHz

Regarding the commissioning of smart devices

Please scan the QR code below for the commissioning instructions of the smart devices.

