

Technical Agreement

Project: CHINT POWER SYSTEMS ENERGY SOLUTIONS ROMANIA SRL

Contract NO. : NL26009

No.	Product	Product Brief Induction	Quantity (units)
1	SCA125K-T-EU	PV inverter, Three Phase-125kW-12MPPT-380Vac-50/60Hz-IP65, Transformerless, OT/DT connection 240 mm ² -DC Switch-Wifi Module	Refer to sales order for product quantity
2	SE-FC2-E (Zero Export box)	Zero Export Box-(Chint Connect)-Compatible with 120~380Vac-Export for Multiple Inverters, up to 16-Directly Connected to the Inverter-Includes CT and meter internally	

2026-04-21

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1. Business information

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2. Requirement for installation and operation

2.1 Requirements for installation environment

The environment for the inverter installation and operation must meet the requirements of the environmental parameters in the technical data in Section 3.1.

Install the inverter away from flammable and/or combustible substances.

2.2 Requirements for power supply

The inverter is operating in self-powered mode (PV power supply).

2.3 Requirements for cooling

Ensure that the air space around the inverter is well ventilated, please refer to the user manual about detail of this.

2.4 Requirements for grounding

The inverter should be grounded reliably; the grounding method meets the relevant standard requirements. Refer to the manual of details.

2.5 Cable size

Please follow the quick installation guide of the cable size and connector.

3. Technical data for inverter and monitor

3.1 Technical data

Table3.1 Datasheet of **SCA125K-T- EU**

Model Name	SCA125K-T-EU
DC Input	
Max. DC Voltage	1100Vdc
MPPT Operating Voltage Range	200 - 950Vdc
Start Voltage	300Vdc
Rated DC Voltage	615Vdc
Number of MPPT	12
Number of DC Connection Sets per MPPT	2
Max. input current per MPPT	30A
Max. DC short-circuit current per MPPT	45A
DC Disconnection Type	Integrated Switch
AC Output	
Rated AC Power	125kW
Max. AC Power	125kVA
Rated AC Voltage	380 / 400V
AC Voltage Range ¹	322 - 528V
Grid Connection Type	3Φ / N / PE
Max. AC Current	190A
Grid Frequency	50 / 60Hz
Grid Frequency Range ¹	45-55 / 55-65Hz
Power Factor (cosφ)	>0.99(±0.8 adjustable)
Current THD	< 3%
System Data	
Topology	Transformerless
Max. Efficiency	98.50%
Euro Efficiency	98.10%
Protection	
Anti-islanding Protection	
DC reverse connection protection	Yes
DC overvoltage protection	Yes
Insulation resistance detection	Yes
Residual Current Monitoring Unit	Yes
AC short circuit protection	Yes
AC overvoltage protection	Yes
Leakage current protection	Yes

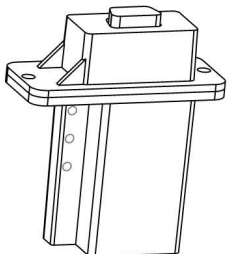
PV string monitoring	Yes
Dry contact remote control	Yes
Ground fault monitoring	Yes
I-V curve scan	Yes
Surge Protection	DC Type II / AC Type II
AFCI	Yes
Environment Data	
Ingress Protection	IP66
Cooling Method	Cooling Fans
Operating Temperature	-30°C to +60°C
Ambient Humidity	0 - 100%
Altitude	4000m
Display and Communication	
Display	LED + APP(Bluetooth)
Communication	RS485 / Wi-Fi (Standard)
Mechanical Data	
Dimensions (W*H*D)	1050 * 660 * 340mm
Weight	90kg
DC Connection Type	MC4 (Max. 6 mm ²)
AC Connection Type	OT/DT Terminal
Safety	
Certifications	IEC61000, IEC/EN 62109, IEC61727/62116, EN50549, NC RFG, CEI 0-16, CEI 0-21, UNE217001, UNE 217002, NTS_V2.1, VDE-AR-N 4110, VDE-AR-N 4105, UTE-C15

3.2 Wi-Fi module

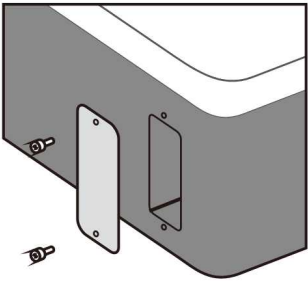
This Wi-Fi module is used for CPS inverter. The APP is CHINT Connect and web is <http://solar.chintpower.com>



CHINT POWER SYSTEMS



CPS-WF-GL-NJ
Quick Start Guide



Remove the cover on the slot of inverter.

1

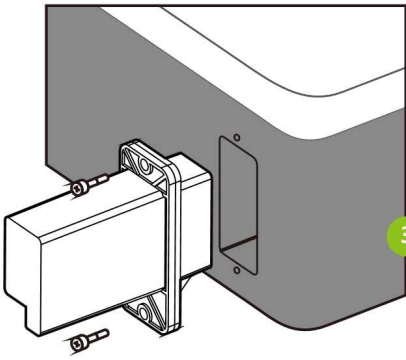


Caution:
Use the extension screws included with the package of gateway.

2

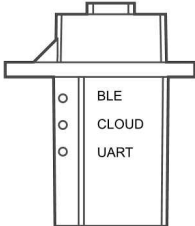
Download the APP to your smart phone.





Plug the gateway into the device slot.

3



Gateway initialization will last 1.5 seconds:

- BLE blink (100ms)
- CLOUD / UART off but blink (2s intervals)

4

Open the APP, Select 'Installer'

Click button 'Go'

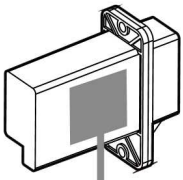
Click button 'WiFi Gateway'



5

Select an accessory

The name contains the SN of the gateway.



Check the SN here !

6

Click button 'WiFi Connection'

Select 'WiFi SSID'

Input the SSID or Confirm the default



Caution:
The gateway can not connect to the 5G Hz WiFi.

Figure 3.1 installation for the Wi-Fi module

SE-FC2-E power limit box

Power limit communication box for three phase CPS SCAXxKTL-T or T1 series multiple inverters connecting. Also suitable with 100 and 125kW Chintpower inverter.

Minimum time interval for the entire daisy chain to perform a single derating	Maximum time for the inverter to execute a write command	
	100,125kW < 200 ms	-T1 series > 200 ms
2 Seconds	5	2
10 Seconds	25	10
Maximum number of inverters that can be connected		

RS485 HUB

No. of Ports 4 (5-Pole Terminal Block , RS485 + DC output)

DC Output 12 / 24 V selectable

AC/DC Power Supply

AC Input 100 ~ 270 V, (220VAC, L-N / 380VAC, L-N)

DC Output 12 / 24 V, 10W

Environmental Limits

Operating Temperature -40 °C to 60 °C (-40 to 140°F), Natural convection

Ambient Relative Humidity 5 to 85% (non-condensing)

Physical Characteristics Slave (RS485 Pass-thru)

Installation Options Wall Mounting

IP Rating IP 65

Dimensions 400 mm / 300 mm / 170 mm

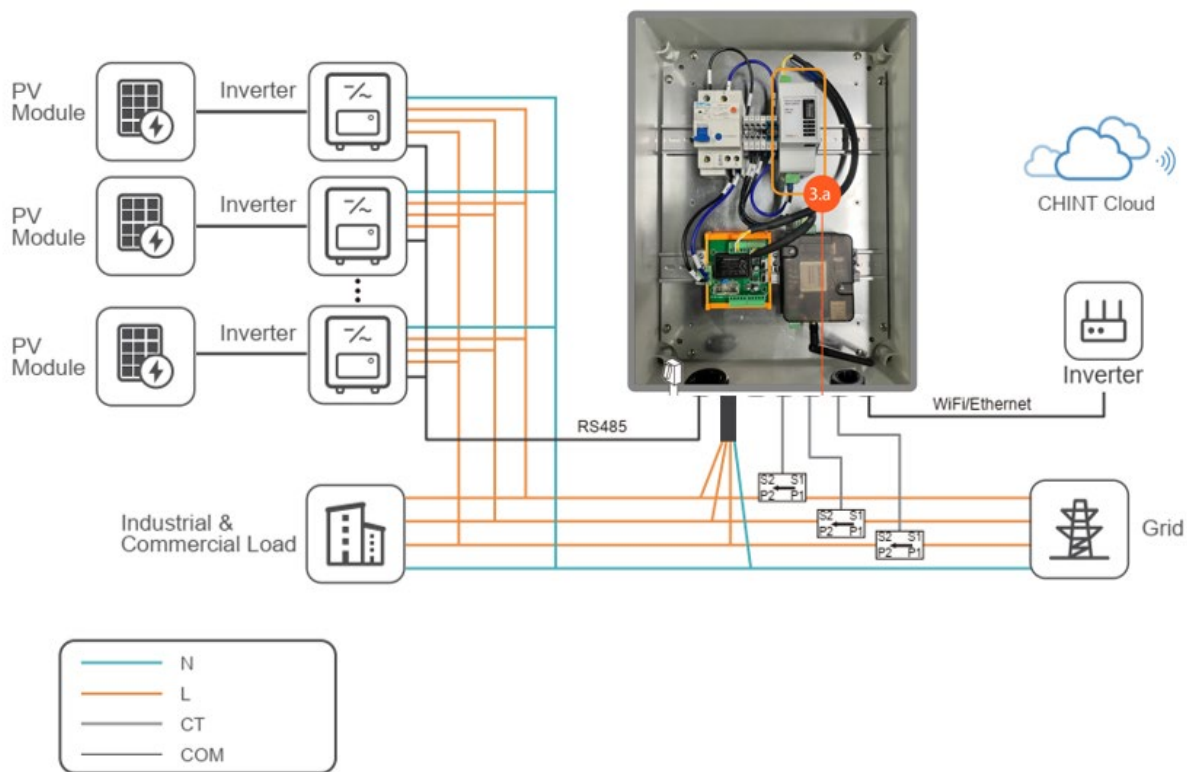
Weight 2kg

SE-FC2-E
with EPM kit (+ Zero-export / Load monitoring)



Prefabricated cables
and RJ12 connectors

EPM kit - Meter



4. After-sale service

4.1 Contact information

Service Hotline: 400-817-7777

Email: service.cps@chint.com

5. Others

The inverter supplier is responsible for the reliability of the whole machine. The internal configuration list of the inverter is not specified and the others which not be mentioned are subject to the supplier standard.

This agreement is a legal attachment for a formal business contract and has the same legal effect as the commercial contract.

The equipment provided meets all the above technical parameters and standards. The inverter has all test certifications in section 3.1, Other certificate or modeling and grid code requirements beyond 3.1 are not included in this project.

No others.

Signature page (No main body in this page)

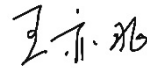
Purchaser: CHINT POWER SYSTEMS ENERGY SOLUTIONS ROMANIA SRL

Representative:

Date:

Supplier: CHINT POWER SYSTEMS NETHERLANDS B.V.

Technical Representative: Wang Yizhao



Date: 2026/4/21