IQ Gateway Commercial Pro

Quick install guide



MODEL:
GW0-1CL-1N-D0-0R

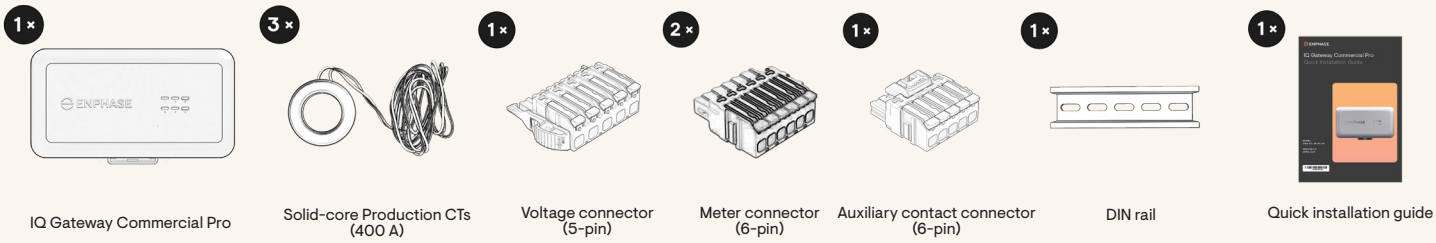
VERSION 6.0
APRIL 2026

140-00443-06

IQ Gateway Commercial Pro overview

The IQ Gateway Commercial Pro delivers solar production and energy consumption data with integrated monitoring for remote management of IQ8/IQ9 Commercial Microinverter systems. It supports 277/480 V and 120/208 V Wye grids, includes revenue-grade production metering, optional consumption monitoring, and operates on the IEEE 2030.5 protocol used in IEEE 1547:2018 certification.

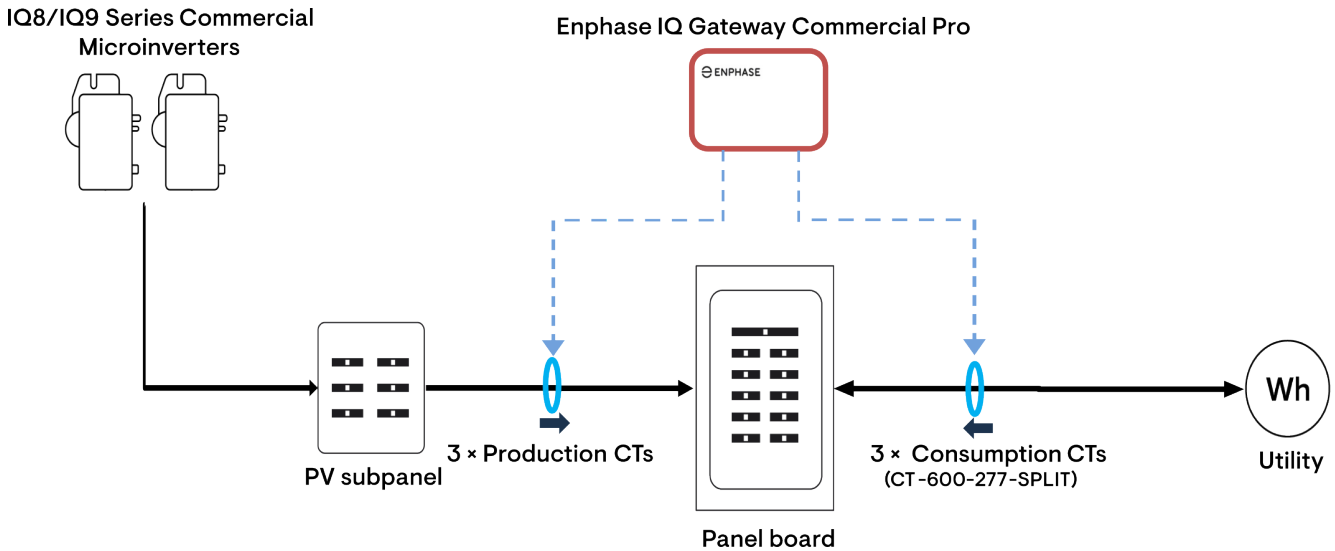
Box contents



Accessories

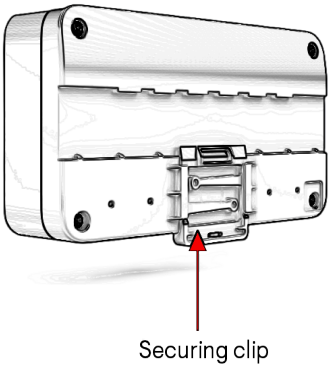
ORDERING SKU	DESCRIPTION	REMARKS
CELLMODEM-07-NA-05-PRO	Enphase Mobile Connect	Can be used for Internet connection
GW-CONN-KIT-1-VMA000	1 × voltage connector, 2 × meter (CT) connectors, 1 × AUX contact connector	Ordering SKU in case of replacement for connectors included in gateway packaging
CT-400-277-SOLID	Includes 3 × 400 A solid-core Production CTs	Ordering SKU in case of replacement for CTs included in gateway packaging
CT-600-277-SPLIT	Includes 3 × 600 A split-core Consumption CTs	In case consumption monitoring is required

Single line diagram



Preparation

- Tools: Screwdriver, wire stripper, wire crimper, and multimeter
- Material: Cables, DIN rail for mounting, connectors, and CTs



1. Install the DIN rail in an NRTL-certified, NEMA Type 3R (or better) off-the-shelf enclosure with conduit attachment; typical minimum enclosure size is 12.6 × 14.6 × 6 in.

NOTE: The IQ Gateway Commercial Pro should be installed in an area where the ambient temperature does not exceed 60°C (140°F), and it should be placed in a dry location, avoiding exposure to moisture and dust.

Mounting the IQ Gateway Commercial Pro



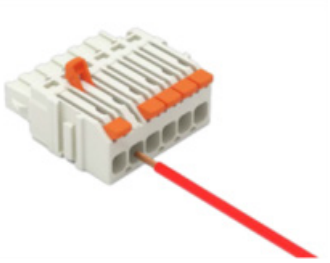
2.
- Pull down the securing clip on the gateway
- Align the gateway with the DIN rail inside the enclosure
- Release the securing clip

Installing the IQ Gateway Commercial Pro

3. Wire the connectors

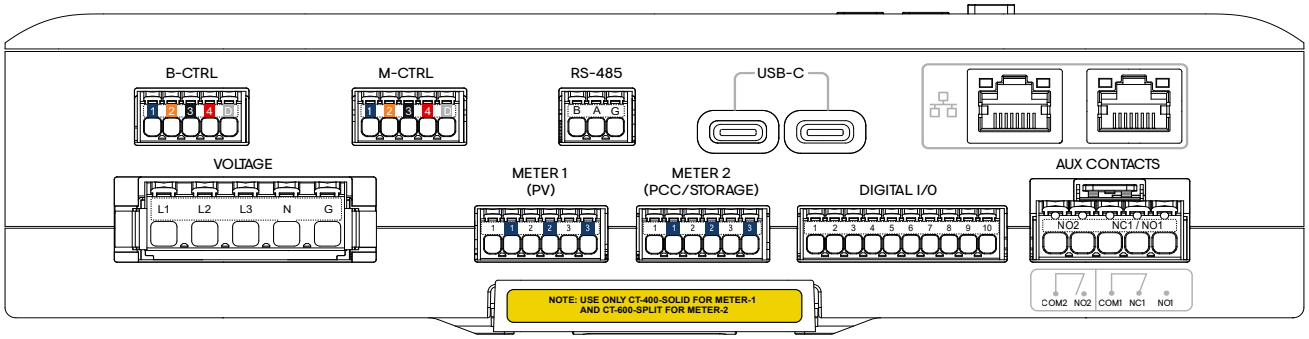
- Select the suitable cables with the size mentioned in the table below

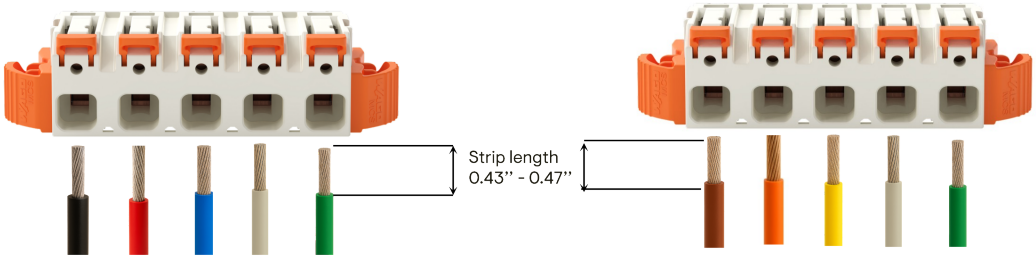
CONNECTORS (INCLUDED IN THE BOX)	WIRE SIZE
Voltage connector	24–12 AWG
Meter 1 (PV/Production CT) connector	18 AWG
Meter 2 (PCC/Storage/ Consumption CT) connector	18 AWG
Aux contacts connector	24-12 AWG



- Strip the insulation of cables and individual wires as shown in the images of respective connectors
- Push the orange levers to open the terminals of connectors, insert the wires, then pull the lever back to close and secure the connection

NOTE: B-CTRL and M-CTRL connectors are reserved for future use. RS-485, Aux contact, Digital I/O, and Meter 2 connectors are optional.





Voltage connector
with wire representation for 120 V/208 V
Wye grid configuration

Voltage connector
with wire representation for 277 V/480 V
Wye grid configuration

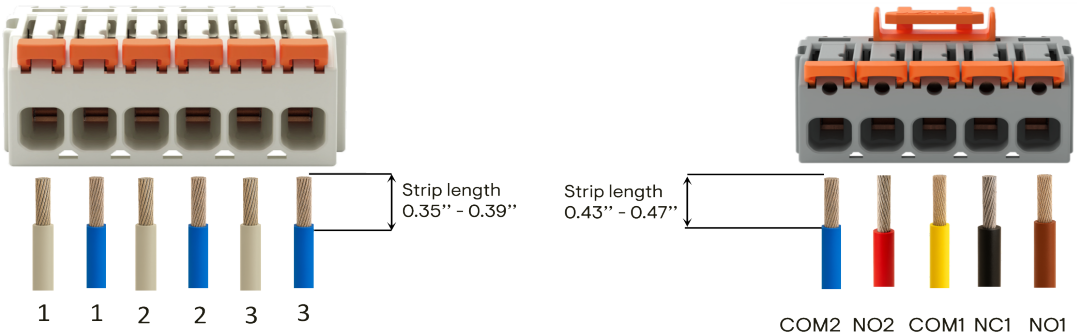
4. Plug in the voltage connector to power the IQ Gateway Commercial Pro. Use copper supply wiring, minimum 14 AWG, rated for at least 167°F (75°C).

5. Meter 1: Install three, 400 A-rated solid-core current transformers (CTs) provided in the packaging for production metering. Refer to Installing Enphase 400 A Production CTs. Wire the Production CTs to a meter connector and plug it to meter 1 port. Do not extend the leads of the Production CT.

6. Meter 2: Consumption monitoring is optional and requires installing three additional split-core CTs (Order CT-600-277-SPLIT separately). Refer to Installing Enphase 600 A Consumption CTs. These split-core CTs can also be used for storage monitoring.

NOTE: Use a protected route in conduit for the CT wires from the main panel board to the IQ Gateway Commercial Pro. Use up to two parallel-connected Consumption CTs to monitor up to two conductors.

7. The IQ Gateway Commercial Pro has integrated NO and NC relays. Wire and plug in the Aux contacts connector for PV and load/grid shedding.

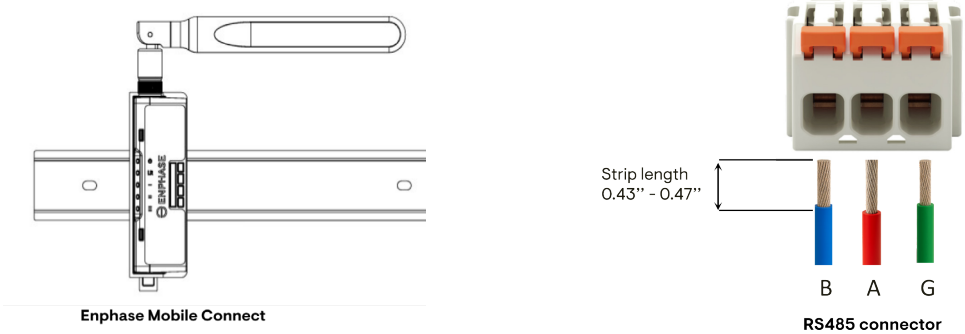


Meter (CT) connector

AUX Contacts connector

8. In case of using the RS-485 bus, connect the required devices in daisy chain form. Avoid splicing the connections, as it can create noise in communication. The bus terminates at the IQ Gateway Commercial Pro using the RS485 connector.

9. Choose an internet connection method for the IQ Gateway Commercial Pro: Wi-Fi, Enphase Mobile Connect (CELLMODEM-07-NA-05-PRO), or Ethernet. For Ethernet connections, a shielded Cat5E or Cat6 cable is required and should be connected to one of the RJ45 ports. Connect the provided USB cable to Mobile Connect and attach the other end to one of the USB Type-C port of IQ Gateway Commercial Pro. The device becomes fully operational, and the LEDs will illuminate once the IQ Gateway powers on. Refer Mobile Connect cellular modem pro quick install guide.



Enphase Mobile Connect

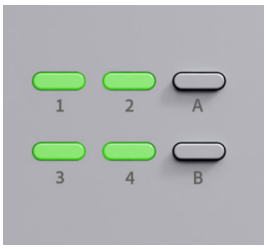
RS485 connector

Commissioning

10 Log in to your Enphase Installer App (4.9.0 and above) to scan the serial number barcode located at the backside of the IQ Gateway Commercial Pro and track system commissioning progress. To download, go to https://enphase.com/installers/apps

11 Use BLE mode for commissioning the IQ Gateway Commercial Pro. The Wi-Fi AP mode is not supported. Refer to https://enphase.com/download/iq9-commercial-microinverter-grid-tied-pv-system-480-v-design-guide for more information.

LED and buttons overview



	TYPE	STATE	DESCRIPTION
ALL LEDs	Main LED		Gateway is booting up
			Gateway is in an error state
			Application is starting
LED 1	Connectivity		Connected to the Internet and Enphase Cloud
			BLE-connected
			Not connected to Internet
			BLE is available for connection
LED 2	PLC devices		All microinverters are producing power
			One or more microinverters are in an error state

The following type applies only during the Metering Wizard setup process in the Enphase Installer App

LED 2	Production CTs		All Production CTs are working properly
			One or more Production CTs are not wired properly
LED 3	Consumption CTs/ Remote meter		All Consumption CTs are working properly
			One or more Consumption CTs are not wired properly
LED 4	LED 4 is reserved for storage metering which will be supported in the future		
	Gateway input buttons	Button A	Press the button for 10 seconds to reboot the gateway
		Button B	Press the button for five seconds to start the gateway's BLE

Revision history

REVISION	DATE	DESCRIPTION
140-00443-06	April 2026	Editorial updates.
140-00443-05	March 2026	Added cable insulation stripping details.
140-00443-04	January 2026	Updated the following sections: • Introduction • What's in the box • IQ Gateway Commercial Pro voltage and CT connections • LED and buttons overview Removed the "Tools required" section.
140-00443-03	November 2025	Updated the "Wiring the Enphase Mobile Connect" section.
140-00443-02	October 2025	Updated the SKU in the "Setting up the Enphase Power Control (EPC)" section.
140-00443-01	September 2025	Initial release.

Latest version of QIG

Documentation center

ENPHASE.

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