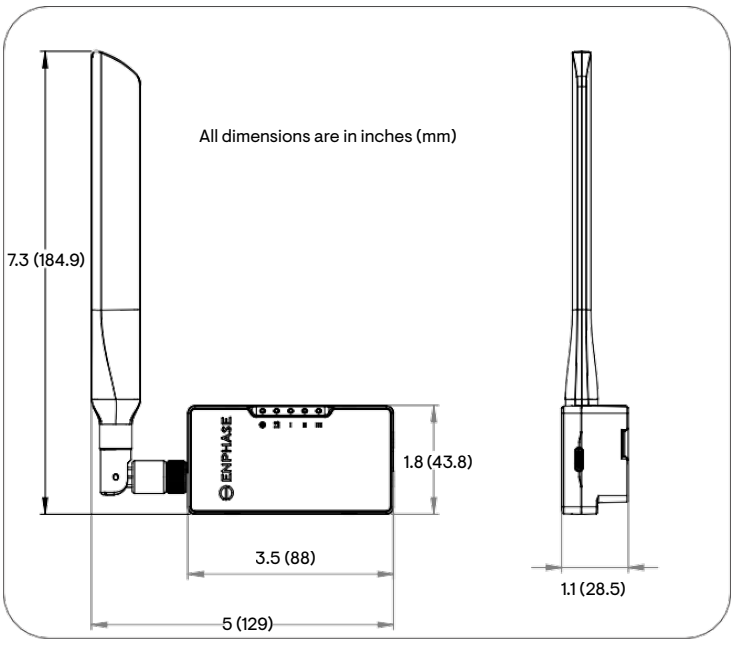
Mobile Connect CELLMODEM-07 Pro

Mobile Connect CELLMODEM-07 Pro provides seamless high-speed cellular connectivity to Enphase Energy System, enabling easy monitoring and management. Mobile Connect CELLMODEM-07 Pro also incorporates multiple network options, increasing the reliability of the network connection.

Key specifications	CELLMODEM-07-NA-05-PRO
Countries supported	A modem with a five-year data plan is available for the countries mentioned in the detailed specifications page.
Dimensions (W × H × D)	3.5" × 1.7" × 1.1" (88 mm × 43.8 mm × 28.5 mm) (without antenna)
Operating temperature	-40°F to 149°F (-40°C to 65°C)
Environmental rating	Install the Mobile Connect cellular modem in an IP54-rated enclosure for outdoor installations.
Altitude	Up to 9843 ft (3000 m)
Warranty	Five years on the hardware



Performance

- Enables high-speed connectivity to Enphase Energy System.

Flexible

- Compatible with a wide range of Enphase products [1].
- Designed for installation inside a NEMA-3R/IP54 or equivalent rated box for both indoor and outdoor use.
- Can be mounted in both horizontal and vertical orientations.

Reliable

- Incorporates multiple carrier options and automatically selects the best carrier for a site.
- Five-year warranty.

[1] Compatible products are listed in the “Supported IQ Gateways and IQ Combiners” section.

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Model number	
CELLMODEM-07-NA-05-PRO	This compact, rugged modem provides low-power, long-range cellular connection for fixed-location indoor and outdoor solar installations. This plug-and-play industrial-grade cellular modem supports systems with a large number of microinverters. Modem with a five-year data plan available for the U.S., Puerto Rico, the U.S. Virgin Islands, Canada, and Mexico.
GW-COMM-PRO-CELL-KIT	Product bundle consisting of IQ Gateway Commercial Pro (GW0-1CL-1N-D0-0R) and Mobile Connect Cell modem Pro (CELLMODEM-07-NA-05-PRO) for use in small commerical systems.

What's in the box	
Cell modem	USB-type cell modem
USB cable	USB 2.0 Type-A to Type-C cable and USB 2.0 Type-C to Type-C cable
Zip ties	Two zip ties to hold the cell modem in place, if needed
Mount	IQ Combiner dead front mounting bracket and DIN rail mounting bracket with the mounting rivets or screws
Installation guide	Installation guide

Power requirements	
Supply voltage	5 V

General	
Equipment category	LTE CAT 4
Frequency bands supported CELLMODEM-07-NA-05-PRO	FDD:B2/B4/B5/B12/B13/B14/B66/B71
Data plan duration	5-year prepaid plan

Supported systems	
PV systems	Primary internet connection for residential/commercial PV systems with up to 400 microinverters[2]
Battery systems	A secondary internet connection for IQ Battery systems, that is, a broadband Wi-Fi or Ethernet connection, is required as a primary connection.

Connectors	
RF	SMA RF
Data	USB Type-C Rev 2.0

Mechanical data	
Dimensions (W × H × D)	3.5" × 1.7" × 1.1" (88 mm × 43.8 mm × 28.5 mm) (without antenna)
Weight	0.22 lb (100 g)
Chassis type	Plastic
Operating temperature	-40°F to 149°F (-40°C to 65°C)
Storage temperature	-40°F to 149°F (-40°C to 65°C)
Humidity	Relative humidity 15% to 93%
Environmental rating	Install the Mobile Connect cellular modem in an NEMA3R/IP54-rated enclosure for outdoor installations
Altitude	Up to 9843 ft (3000 m)

[2] Available only in select countries and for select configurations. Visit the device home page for details.

Compliance	
Regulatory	FCC Class B (US), IC (Canada), IFT (Mexico)
Safety	UL 62368-1, CSA C22.2 NO. 62368-1-14
Network	PTCRB, AT&T, T-Mobile

Warranty	
Duration	Five years on the hardware

Supported IQ Gateways and IQ Combiners[3]

- IQ Gateway
- IQ Gateway Standard
- IQ Gateway Metered
- IQ Gateway Commercial
- IQ Gateway Commercial Pro
- IQ Combiner 3/3C/3-ES/3C-ES
- IQ Combiner 4/4C/5/5C/6/6C

[3] Supported gateway should run eSW version 8.3.5058 or higher.

Components of Enphase Energy System

IQ Gateway Standard

IQ Gateway is a platform for energy management. It integrates with the IQ Microinverters and IQ Batteries to provide complete control and insights into the Enphase Energy System.

Envoy S Metered

The Envoy S Metered is a platform for energy management. It integrates with the M Series Microinverters to work with IQ Batteries and IQ System Controllers.

IQ Gateway Commercial Pro

The IQ Gateway Commercial Pro delivers solar production and energy consumption data, along with monitoring and analysis software for remote maintenance and management of IQ8/IQ9 Commercial Microinverter-based PV systems.

Revision history

Revision	Date	Description
DSH-00915-1.0	January 2026	Initial release.