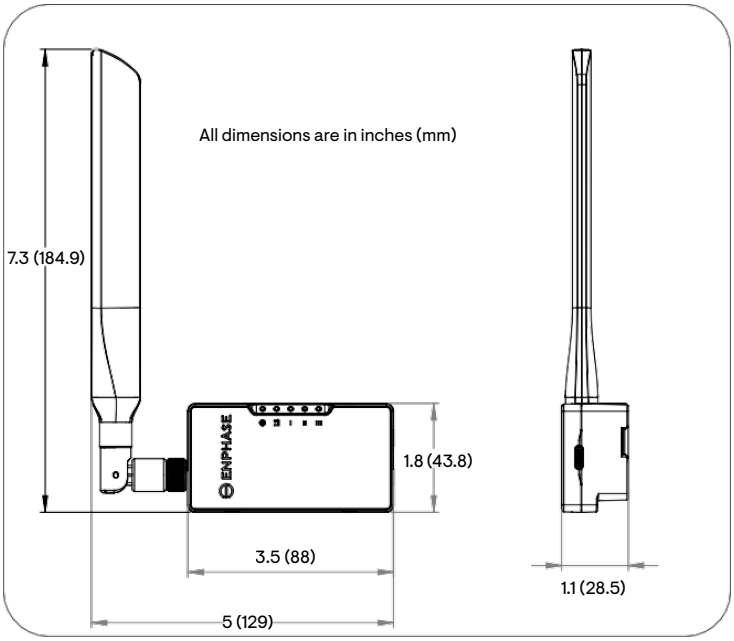
# Mobile Connect CELLMODEM-07 Pro

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.




Enphase 5 year warranty

| 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 300 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-00915-2.0 | May 2026 | Updated the "Supported systems" section. |
| DSH-00915-1.0 | January 2026 | Initial release. |