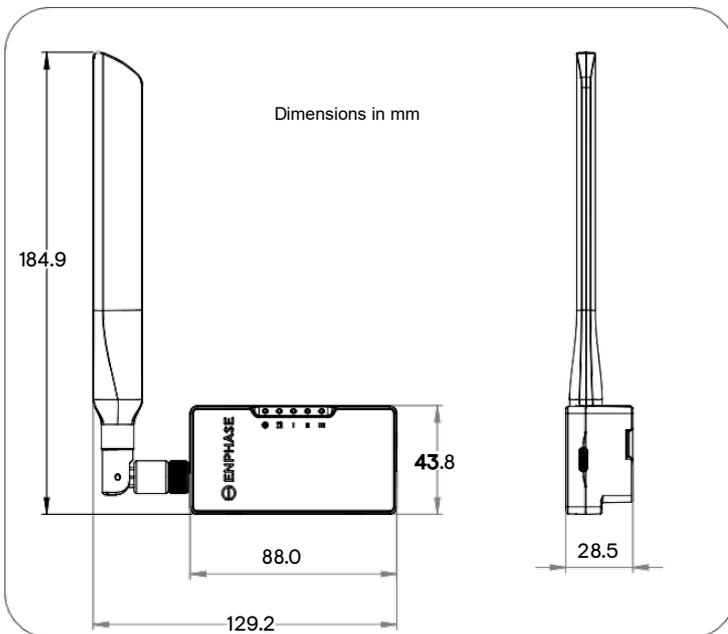


Mobile Connect CELLMODEM-07

Mobile Connect CELLMODEM-07 provides seamless high-speed cellular connectivity to Enphase Energy System, enabling easy monitoring and management¹. Mobile Connect CELLMODEM-07 also incorporates multiple network options, increasing the reliability of the network connection.



Key specifications	CELLMODEM-07
Countries supported	Modem with a five-year data plan is available for countries mentioned in the detailed specifications page.
Dimensions (W × H × D)	88 mm × 43.8 mm × 28.5 mm (without antenna)
Operating temperature	-40°C to 65°C
Environmental rating	Install the Mobile Connect cellular modem in an IP54-rated enclosure for outdoor installations.
Altitude	Up to 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 products².
- 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 Mobile Connect CELLMODEM-07 also incorporates multiple network options, increasing the reliability of the network connection.

² Compatible products are listed in the "Supported IQ Gateways and IQ Combiners" section.

Model number	
CELLMODEM-07-NA-05	<p>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.</p> <p>Modem with a five-year data plan available for U.S., Puerto Rico, the U.S. Virgin Islands, Canada, and Mexico.</p>
What's in the box	
Cell modem	USB-type cell modem
USB cable	USB 2.0 Type-A to Type-C cable
Zip ties	Two zip ties to hold the cell modem in place, if needed
Mount	IQ Combiner dead front mount 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-INT-05	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 96 microinverters ^{3,4}
Battery systems	Secondary internet connection for IQ Battery systems, that is, a broadband Wi-Fi or Ethernet connection is required as a primary internet connection. Can also act as a primary internet connection by purchasing a suitable data extension plan. ⁴
Connectors	
RF	SMA RF
Data	USB Type-C Rev 2.0
Mechanical data	
Dimensions (W × H × D)	88 mm × 43.8 mm × 28.5 mm (without antenna)
Weight	100 g
Chassis type	Plastic
Operating temperature	-40°C to 65°C
Storage temperature	-40°C to 65°C
Humidity	Relative humidity 15% to 93%
Environmental rating	Install the Mobile Connect cellular modem in an IP54-rated enclosure for outdoor installations
Altitude	Up to 3000 m
Compliance	
Regulatory	FCC Class B (US), IC (Canada), IFT (Mexico)

³ A suitable add-on pack must be purchased to enable support for systems with more than 96 microinverters.

⁴ Available only in select countries and for select configurations. Visit the device home page for details.

Compliance

Safety	UL 62368-1, CSA C22.2 NO. 62368-1-14
Network	PTCRB, AT&T, T-Mobile

Warranty

Duration	Five years on the hardware
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Supported IQ Gateways⁵ and IQ Combiners

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

⁵ Supported gateway should run eSW version 8.3.5058 or higher.

Components of Enphase Energy System



IQ Gateway Standard

The IQ Gateway Standard provides basic PV production monitoring ($\pm 5\%$) via PLC platform for energy management. It integrates with the IQ Microinverters 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.

Revision history

Revision	Date	Description
DSH-00516-3.0	October 2025	Updated the section “Supported IQ Gateways and IQ Combiners”.
DSH-00516-2.0	September 2024	Updated the data sheet to the latest format.
DSH-00516-1.0	June 2024	Preliminary release.