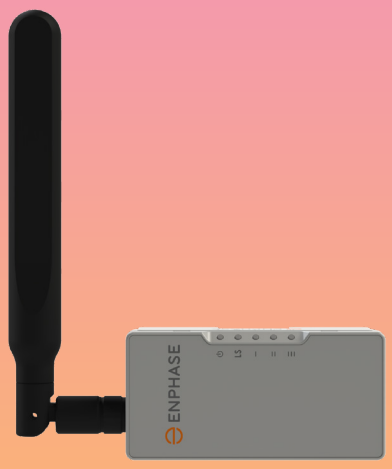
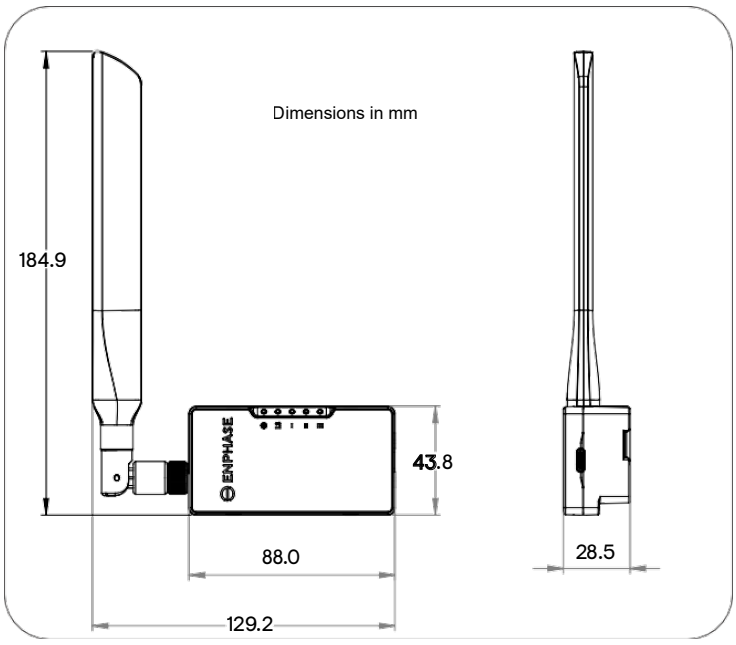
Mobile Connect CELLMODEM-07

Mobile Connect CELLMODEM-07 provides seamless high-speed cellular connectivity to Enphase Energy System, enabling easy monitoring and management[1].



Key specifications	CELLMODEM-07-INT-05
Countries supported	Modem with a five-year data plan is available for the countries mentioned on the detailed specifications page.
Dimensions (W × H × D)	88 mm × 43.8 mm × 28.5 mm (without antenna)
Operating temperature	-40°C to 75°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 products[2]
- Designed for installation inside an 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, IQ Combiners, and IQ System Controller” section.

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Model numbers	
Mobile Connect	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.
CELLMODEM-07-INT-05	Modem with a five-year data plan is available for Australia, Austria, Belgium, Bermuda, Cayman Islands, Costa Rica, Finland, France, Germany, Greece, India, Italy, Luxembourg, Mexico, New Zealand, Norway, Panama, Poland, Portugal, Philippines, Sint Maarten, South Africa, Spain, Sweden, Switzerland, The Bahamas, The Netherlands, Turks and Caicos Islands and the United Kingdom.

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	DIN rail mount with screws
Installation guide	Mobile Connect quick install guide

Power requirements	
Supply voltage	5 V

General	
Equipment category	LTE CAT 4
Frequency bands supported CELLMODEM-07-INT-05	FDD: B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/B19/B20/B25/B26/B28/B66 TDD: B34/B38/B39/B40/B41
Data plan duration	5-year pre-paid 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 75°C
Storage temperature	-40°C to 75°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

[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	
Regulatory	FCC Class B (US), IC (Canada), IFT (Mexico), RCM (Australia), R-NZ (New Zealand), CE (EU), UKCA (UK), ICASA (South Africa), SUTEL (Costa Rica)
Safety	UL 62368-1, IEC/EN 62368-1:2014, CSA C22.2 NO. 62368-1-14, RoHS, REACH, RED
Network	PTCRB, AT&T, T-Mobile

Warranty	
Duration	Five years on the hardware

Supported IQ Gateways[5], IQ Combiners, and IQ System Controller

- IQ Combiner 3/4/5 (X-IQ-AM1-240-3, X-IQ-AM1-240-4, X2-IQ-AM1-240-4, and X2-IQ-AM1-240-5)
- IQ Combiner 3C/4C/5C (X-IQ-AM1-240-3C, X-IQ-AM1-240-4C, X2-IQ-AM1-240-4C, and X2-IQ-AM1-240-5C)
- IQ Gateway (ENV-IQ-AM1-240 and ENV2-IQ-AM1-240)
- IQ Gateway Commercial (ENV-IQ-AM3-3P)
- IQ Gateway Commercial 2 (ENV2-IQC2-AM3-3P)
- IQ Gateway Metered (ENV-S-WM-230 and ENV-S-EM-230)
- IQ Gateway Standard (ENV-S-WB-230)
- IQ System Controller 3 INT (SC100G-M230ROW and SC100G-M230INT)

[5] Supported gateway must 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 (±5%) via PLC platform for energy management. It integrates with the IQ Microinverters to provide complete control and insights into the Enphase Energy System.



IQ Gateway Metered

The IQ Gateway Metered provides integrated PV and consumption metering. It integrates with the IQ Microinverters and IQ Batteries to provide complete control and insight into the Enphase Energy System.

Revision history

Revision	Date	Description
DSH-00566-10.0	April 2026	List of countries updated to reflect availability in LAC countries.
DSH-00566-9.0	March 2026	Editorial updates.
DSH-00566-8.0		
DSH-00566-7.0	October 2025	Updated the regions for the modem with a five-year data plan availability.
DSH-00566-6.0	July 2025	Editorial updates.
DSH-00566-5.0		
DSH-00566-4.0	April 2025	Added applicable modem data plans for the new regions.
DSH-00566-3.0	November 2024	Updated supported IQ Gateways and IQ System Controller SKUs.
DSH-00566-2.0	November 2024	Updated the data sheet to the latest format.
DSH-00566-1.0	September 2024	Preliminary release.