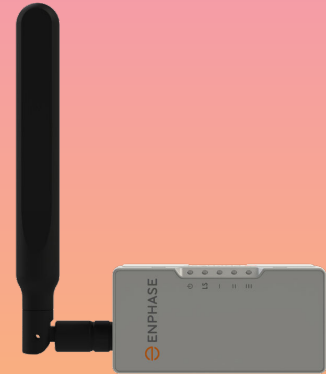
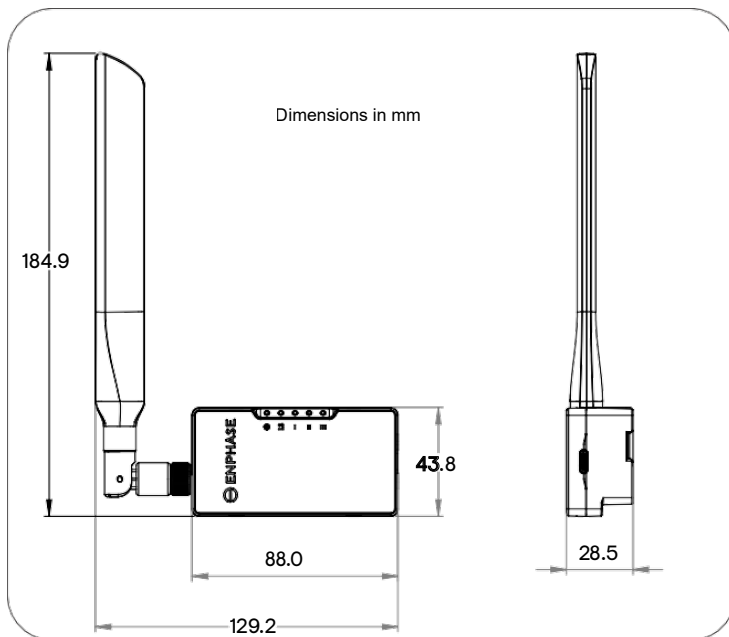


Mobile Connect CELLMODEM-07

Mobile Connect CELLMODEM-07 provides seamless high-speed cellular connectivity to Enphase Energy System, enabling easy monitoring and management¹.



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 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 and IQ System Controller" section.

Model numbers	CELLMODEM-07
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 Aruba, Australia, Austria, Belgium, Bermuda, British Virgin Islands, Bulgaria, Cayman Islands, Costa Rica, Croatia, Denmark, Dominican Republic, Finland, France, Germany, Greece, India, Ireland, Japan, Luxembourg, Malta, Mexico, New Zealand, Philippines, Poland, Portugal, Sint Maarten, Serbia, South Africa, Spain, St. Kitts and Nevis, Sweden, Switzerland, The Bahamas, The Netherlands, Turkey, Turks and Caicos Islands, and United Kingdom
What's in the box	CELLMODEM-07
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	Installation guide
Power requirements	CELLMODEM-07
Supply voltage	5 V
General	CELLMODEM-07
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	CELLMODEM-07
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	CELLMODEM-07
RF	SMA RF
Data	USB Type-C Rev 2.0
Mechanical data	CELLMODEM-07
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

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	CELLMODEM-07
Regulatory	FCC Class B (US), IC (Canada), IFT (Mexico), RCM (Australia), R-NZ (New Zealand), CE (EU), UKCA (UK), ICASA (South Africa)
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	CELLMODEM-07
Duration	Five years on the hardware
Supported IQ Gateways and IQ System Controller	CELLMODEM-07
	<ul style="list-style-type: none"> • IQ Gateway (ENV-IQ-AM1-240, ENV2-IQ-AM1-240) • IQ Gateway Commercial (ENV-IQ-AM3-3P) • IQ Gateway Commercial 2 (ENV2-IQC2-AM3-3P) • IQ Gateway Standard (ENV-S-WB-230) • IQ Gateway Metered (ENV-S-WM-230, ENV-S-EM-230) • IQ Combiner 3/4/5 (X-IQ-AM1-240-3, X-IQ-AM1-240-4, X2-IQ-AM1-240-4, 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, X2-IQ-AM1-240-5C) • IQ System Controller 3 INT (SC100G-M230ROW, SC100G-M230INT)

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.



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
DHS-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.