

Enphase Mobile Connect Cellular Modem

The **Enphase Mobile Connect Cellular Modem** delivers easy, reliable networking for Enphase Energy Systems - with multiple carrier options.



Smart

- Enables web-based monitoring and control

Flexible

- Multiple network options to choose from for the best coverage for the location.

Reliable

- Designed for indoor or outdoor¹ installation
- Five-year warranty

1. Inside a suitably rated enclosure.

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MODEL NUMBERS

Enphase Mobile Connect Cell Modem	This compact, rugged modem provides low power, long range cellular connections for fixed location indoor and outdoor solar installations. This plug and play industrial grade cellular modem supports systems of up to 60 micro inverters. Select from the below models based on which operator provides the best coverage in your area ² .
- CELLMODEM-M1-06-SP-05 ⁴	Modem with a 5 year Sprint (T-Mobile) data plan. Available in US, Canada, Puerto Rico, and the US Virgin Islands ³
- CELLMODEM-M1-06-AT-05	Modem with a 5 year AT&T data plan. Available in US, Canada, Mexico, Puerto Rico, and the US Virgin Islands, Australia, New Zealand, France, UK, Netherlands, Germany, Austria, Belgium, Switzerland, Spain, Portugal, Italy, Poland

GENERAL

Performance	LTE CAT M1,EGPRS
Frequency band (MHz)	LTE-FDD: B1/B2/B3/B4/B5/B8/B12/B13/B18/B19/B20/B25/B26/B28 LTE-TDD: B39 (Cat M1 Only) EGPRS: 850/900/1800/1900MHz
Packet data ³	Cat M1: Max. 375Kbps (DL) / 375Kbps(UL)
SMS	Text and PDU mode, point to point MO and MT, SMS cell broadcast

POWER REQUIREMENTS

Voltage	USB Powered - 5V
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CONNECTORS

RF antenna	50 ohm SMT customized flex antenna
SIM	Micro SIM (3FF); 1.8V
USB	Type A USB

MECHANICAL DATA

Dimensions (LxWxH)	91 mm x 60 mm x 15 mm
Weight	100 grams (approximate)
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	If installed outdoors, install Enphase Mobile Connect cell modem in NEMA 3R or IP54 rated enclosure.

COMPLIANCE

Regulatory	FCC Class B (US) IC (Canada) IFT (Mexico) RCM(Australia) R-NZ(New Zealand) CE and RED (EU)
Safety	UL-62368-1, IEC/EN 62368-1:2014, CSA C22.2 NO. 62368-1-14
Network	PTCRB, AT&T, Sprint (T-Mobile)

SUPPORTED COMBINER AND IQ GATEWAY MODEL

IQ Combiner Models	X-IQ-AM1-240-B, X-IQ-AM1-240-2, X-IQ-AM1-240-3, X-IQ-AM1-240-3C, X-IQ-AM1-240-3-ES, X-IQ-AM1-240-3C-ES, X-IQ-AM1-240-4, X-IQ-AM1-240-4C
IQ Gateway Models	ENV-IQ-AM1-240, ENV-S-AB-120-A, ENV-S-AM1-120, ENV-S-WB-230, ENV-S-WM-230

2. Actual performance speeds may be affected by a variety of attributes such as cell tower distance, data loads, packet sizes, etc.

3. More regions to be added in the future.

4. CELLMODEM-M1-06-SP-05 is available only as part of X-IQ-AM1-240-4C.