DATA SHEET



Enphase Communications Kit 2

The Communications Kit 2 enables communication between IQ Gateway, IQ Battery 5P, and IQ System Controller 3/3G. The Communications Kit 2 cannot be used with prior versions of the IQ Battery or the IQ System Controller. The Communications Kit 2 can be used to upgrade PV-only sites to grid-tied or grid-forming systems in the absence of an IQ Combiner 5/5C. It is not needed when an IQ Combiner 5/5C is used because the IQ Combiner 5/5C integrates the functionality of the Communications Kit 2.



IQ Series Microinverters
The high-powered smart grid-ready IQ Series Microinverters (IQ6, IQ7, and IQ8 Series) dramatically simplify the installation process.



IQ System Controller 3/3G
Provides microgrid interconnection device (MID) functionality by automatically detecting grid failures and seamlessly transitioning the home energy system from grid power to backup power.



IQ Battery 5P
Powerful, fully-integrated AC battery with 5 kWh capacity. Includes six field-replaceable IQ8D-BAT Microinverters.



IQ Gateway or Envoy S Metered
Delivers solar production and energy consumption data to the Enphase Installer Portal for comprehensive, remote maintenance and management of Enphase systems.

Reliable

- 5-year limited warranty
- Uses wired control communication for fast and consistent communication

Safe

- Minimal voltage and easy to install

Backwards compatible

- Enables IQ Battery 5P and IQ System Controller 3/3G to be installed on sites with:
  - IQ Series Microinverters when using combiners or gateway versions older than IQ Combiner 5/5C*
  - M Series Microinverters when using an Envoy S Metered*

*See compatibility section in the following page

Enphase 5 year limited warranty

5-year limited warranty

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Communications Kit 2

MODEL NUMBER	
COMMS-KIT-02	The Communications Kit 2 enables wired control communication between IQ Gateway (or Envoy S Metered), IQ Battery 5P, and IQ System Controller 3/3G
WHAT'S IN THE BOX	
Control adapter (COMMS-KIT-02)	One control adapter pre-mounted in a NEMA 3R enclosure to enable wired communication for IQ Gateway (or Envoy S Metered)
Enclosure	One NEMA 3R-rated enclosure in which the components are pre-installed and protected
Ground terminal block	One ground terminal block for grounding the control cable shield
DIN rails	Two DIN rails pre-installed in the enclosure. One has the control adapter mounted, while the other can mount an IQ Gateway or an Envoy S Metered if needed
IQ Battery CT	One battery metering clamp CT, shipped with the box, accurate up to 2.5%
USB cable	One USB 2.0 Type-A to USB Type-C cable for connecting the control adapter to an IQ Gateway (or Envoy S Metered)
Power jumper	One power jumper to short the two terminals marked "L2" and "X" in the IQ Gateway power terminal block**
Accessories	One spare control header and zip ties for wire management
POWER REQUIREMENTS	
Supply voltage	5 V (should be powered using a USB Type-A port on the IQ Gateway or Envoy S Metered)
Current	500 mA
BLE transmit power	8 dBm
CONNECTIVITY	
USB	One USB Type-C port for power and communication with IQ Gateway or Envoy S Metered
Control	Two control headers for wiring control cables
Drain	One drain and one PE terminal
MECHANICAL DATA	
Enclosure dimensions (WxHxD)	368 mm x 371 mm x 183 mm (14.48 in x 14.6 in x 7.2 in)
Adapter dimensions (WxHxD)	152 mm x 69 mm x 25 mm (5.98 in x 2.71 in x 0.98 in)
Weight	3.265 kg (7.1 lbs)
Ambient temperture	-40°C to 45°C (-40°F to 113°F)
Altitude	Up to 2,600 meters (8,530 feet)
Humidity	85% RH
NEMA rating	The enclosure is rated for NEMA 3R and can be used for outdoor installation
FEATURES AND COMPLIANCE	
Communication	Wired control communication
Certifications	US/FCC ID: MCQ-XBEE3 CAN/IC ID: 1846A-XBEE3
LIMITED WARRANTY	
Limited warranty	5-year limited warranty
COMPATIBILITY	
IQ System Controller	IQ System Controller 3/3G
IQ Battery	IQ Battery 5P
IQ Gateway/IQ Combiner	• IQ Gateway • Envoy S Metered • IQ Combiner 3/3C/3-ES/3C-ES/4/4C
Microinverter and Gateway	IQ6, IQ7, and IQ8 Series Microinverters with an IQ Gateway or IQ Combiner 3/3C/3-ES/3C-ES/4/4C M Series Microinverter (M215 and M250) with Envoy S Metered

** For Envoy S Metered, the installer needs to use a wire or a 3-pin Wago nut to short the terminals marked "B" and "C" on the power terminal block.

Refer Communication Kit 2 QIG for details.

Revision history

REVISION	DATE	DESCRIPTION
DSH-00108-1.0	July 2023	Initial release

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