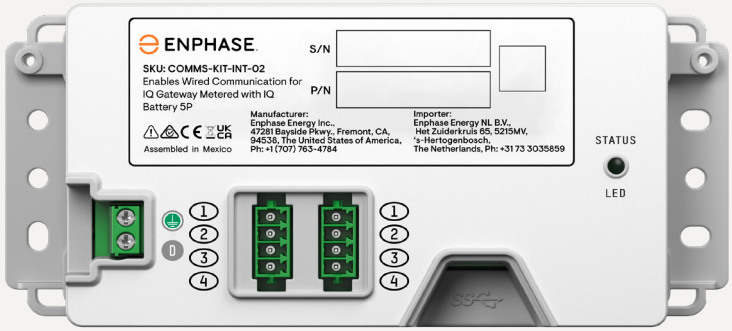
DATA SHEET



Enphase Communications Kit 2 INT

The Communications Kit 2 INT enables the IQ Gateway Metered to communicate with the IQ Battery 5P via wired control communication. It is required on any site to operate the IQ Battery 5P in grid-tied mode.

Components of the Enphase Energy System



IQ Battery 5P
Powerful and fully integrated AC Battery with 5 kWh capacity. Includes six embedded microinverters for high reliability.



IQ Gateway Metered
Platform for energy management and integrates seamlessly with the IQ Microinverters and the IQ Batteries to provide complete control and insights into the Enphase Energy System.



IQ Series Microinverters
IQ Series Microinverters pack more power into less space than other rooftop solar systems and make rooftop solar more productive, reliable, smart, and safe.



Current transformers (CT-100-SPLIT-ROW)
CTs enable production and consumption monitoring with an accuracy of ±1%.

Reliable

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

Safe

- Simple and safe USB connection to the IQ Gateway for power and data

Simple

- Plug-and-play wiring enables quick installation

Enphase 5 year limited warranty

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Communications Kit 2 INT

PRODUCT DETAILS	UNITS	ORDER CODE: COMMS-KIT-INT-02
Name	—	Communications Kit 2 INT
Description	—	The Communications Kit 2 INT enables wired control communication between the IQ Gateway Metered and the IQ Battery 5P units
POWER REQUIREMENTS	**UNITS**	
Supply voltage	V	5 (powered from the USB port of the IQ Gateway)
Current	mA	500
BLE transmit power	dBm	8
CONNECTIVITY	**UNITS**	
USB	—	One USB Type-C port for power and communication with the IQ Gateway Metered
Control (CTRL) communication	—	For connection with the IQ Battery 5P
Earth	—	One drain and one PE terminal
MECHANICAL DATA	**UNITS**	
Dimensions (H × W × D)	mm	69 × 152 × 25
Weight	g	100
Ambient temperture	°C	-40 to 45
Altitude	m	Up to 2,600
Humidity	%RH	85
STANDARDS	**UNITS**	
EMC	—	EN 55032, EN 55035
RED	—	EN 300 328, EN 301 489-1, EN 62311:2008
Safety	—	EN 62368-1
Product labelling	—	CE, UKCA, and RCM
LIMITED WARRANTY	**UNITS**	
Limited warranty	—	5-year limited warranty
WHAT'S IN THE BOX	**UNITS**	
Control adapter (Communications Kit)	—	Enables wired communication for the IQ Gateway Metered with the IQ Battery 5P
Control (CTRL) connectors	—	Two control connectors (one spare) to connect the control cables to the device
Control (CTRL) connectors with resistor	—	Two control connectors (one spare) are to be used if the device is a terminating node
DIN rail adapter plugs	—	Two DIN rail adapter plugs that enable the device to be mounted onto a DIN rail
USB cable	—	One USB 2.0 Type-A to USB Type-C cable for connecting the control adapter to an IQ Gateway Metered
Accessories	—	Zip ties for wire management
COMPATIBILITY	**UNITS**	**ORDER CODE**
IQ Battery	—	IQBATTERY-5P-1P-ROW, IQBATTERY-5P-1P-INT, IQBATTERY-5P-3P-INT
IQ Gateway	—	ENV-S-EM-230, ENV-S-WM-230

Revision history

REVISION	DATE	DESCRIPTION
DSH-00182-6.0	July 2024	Added ANZ-specific details.
DSH-00182-5.0	June 2024	Added 3-phase battery in the “Compatibility” section.
DSH-00182-4.0	March 2024	Updated document tags.
DSH-00182-3.0	January 2024	Editorial updates.
DSH-00182-2.0	September 2023	Updated EMC standard.
DSH-00182-1.0	August 2023	Initial release.

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