



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 for the operation of the IQ Battery 5P in the 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 $\pm 1\%$.

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



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 temperature	°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	
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) 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-INT, IQBATTERY-5P-3P-INT	
IQ Gateway	—	ENV-S-EM-230	
Control cable	—	CTRL-BL-EU-01	

Revision history

REVISION	DATE	DESCRIPTION
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.