



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 IQ Battery 5P in grid-tied mode.

Components of the Enphase Energy System



IQ Battery 5P

Powerful, fully-integrated AC battery with 5 kWh capacity. Includes six embedded IQ8D-BAT Microinverters for high reliability.



IQ Gateway Metered

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



IQ 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)

CTs enable production and consumption monitoring with an accuracy of $\pm 1\%$. Ideal for cables up to 25 mm².

Reliable

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

Safe

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

Simple

- Plug-and-play wiring enables quick installation



Communications Kit 2 INT

PRELIMINARY

PRODUCT DETAILS		UNITS	COMMS-KIT-INT-02
Name			Communications Kit 2 INT
Description			The Communications Kit 2 INT enables wired control communication between IQ Gateway Metered and IQ Battery 5P units
POWER REQUIREMENTS			
Supply voltage	V		5 (powered from the USB port of the IQ Gateway)
Current	mA		500
BLE transmit power	dBm		8
CONNECTIVITY			
USB			One USB Type-C port for power and communication with IQ Gateway Metered
Control (CTRL) communication			For connection with IQ Battery 5P
Earth			One drain and one PE terminal
MECHANICAL DATA			
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			
EMC			EN 61000-6-2, EN 61000-6-3
RED			EN 300 328, EN 301 489-1, EN 62311:2008
Safety			EN 62368-1
Product labelling			CE, UKCA
LIMITED WARRANTY			
Limited warranty			5-year limited warranty
WHAT'S IN THE BOX			
Control adapter (COMMS-KIT-INT-02)			Enables wired communication for IQ Gateway Metered with 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			
IQ Battery			IQ Battery 5P
IQ Gateway			IQ Gateway Metered

Revision history

REVISION	DATE	DESCRIPTION
DSH-00182-1.0	August 2023	Initial release