ENPHASE

DATA SHEET



IQ Energy Router

Intelligent and seamless home energy management

The newest addition to the Enphase Energy System, the IQ Energy Router integrates Enphase solar and battery storage systems with heat pumps and EV chargers to maximize self-consumption and minimize costs. Installers should use the Enphase Installer App and the Enphase Installer Portal to install and maintain the system. Homeowners can use the Enphase App to monitor energy and control the system.

Now the Enphase Energy System can utilize self-learning algorithms and forecasts to run your devices at optimal times to gain more energy independence and reduce what you need to buy from the grid.

Control

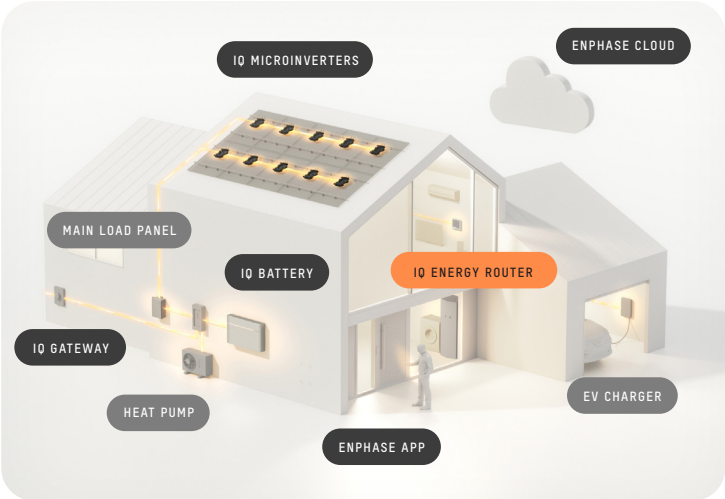
- Intelligently control heat pumps and EV chargers using the Enphase App
- Maximize self-consumption
- Minimize costs

Simple

- Easy installation
- Autonomous operation

Reliable

- Designed for indoor installation
- 5-year limited warranty



Enphase 5 year limited warranty

CE

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IQ Energy Router

ENVIRONMENTAL SPECIFICATIONS, STANDARD AND CERTIFICATIONS	HEMS-GW-01
Temperature Range	10°C to 40°C
Directive	RoHS, WEEE, REACH
Flammabiity	UL94
EMC	EN 55032: 2015
Electrical Safety	EN IEC 62368-1:2020+A11: 2020
Certification	CE
Max. radiated power	<10 dBm
Frequency	2405 – 2480 MHz
ELECTRICAL SPECIFICATION	
Input voltage	5 VDC
Input current	1 A
Consumption	5 W
MECHANICAL DATA	
Weight	114 g
Height	27.3 mm
Width	96.1 mm
Length	96.6 mm
Ethernet port	RJ45
Color	White
DC power cable	USB A to 5 V DC jack cable (2.5 mm × 5.5 mm barrel connector)
EU power supply - voltage	100 V–240 V@ 50 Hz–60 Hz
EU power supply - current	0.2 A
PACKAGING SPECIFICATION	
Weight	270 g
Height	72 mm
Width	115 mm
Length	117 mm
Included in box	EU power supply USB A to jack cable (2.5 mm × 5.5 mm DC plug) CAT 6 Ethernet cable with RJ45

PRODUCT NAME	WHAT'S IN THE BOX?	HEMS INTEGRATION OF EV CHARGER	HEMS INTEGRATION OF HEAT PUMP	HEMS INTEGRATION OF EV CHARGER AND HEAT PUMP
HEMS-GW-01 IQ Energy Router	IQ Energy Router	●		
HEMS-HP-01 IQ Energy Router+	IQ Energy Router		●	●
	SG Ready Relay		●	●
	Energy Meter		●	●

Revision History

REVISION	DATE	DESCRIPTION
DSH-00065-2.0	August 2023	• Added the description and figure for Intelligent and Seamless Home Energy Management on page 1. • Added the table for two HEMS SKUs on page 2.
DSH-00065-1.0	June 2023	Initial release

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