IQ Balcony Solar Kit

The IQ Balcony Solar Kit is a do-it-yourself, plug-in solution to harness solar energy from PV panels installed on a balcony, and feed power into the home through an AC wall socket. With a simple setup, this solution allows homeowners to build a scalable system that can power appliances even during daytime grid outages.

Enphase **25** year warranty   Enphase **5** year warranty   CE

Key specifications	IQ-BALC-1P-WF	IQ-BALC-1P-CF
Maximum output power to grid	800 W	
Maximum output power to auxiliary socket	2760 W	
Nominal grid voltage	230 V (L-N)	
Nominal frequency	50 Hz	
Rated current	12 A	
Auxiliary socket type	Type F	
Wi-Fi/BLE	802.11b/g/n / BLE 4.2 (2.4 GHz)	
Operating temperature range	-20°C to 50°C	
Cellular	–	CAT4

Plugin system with off-grid operation

- Feed up to 800W to the home via a balcony AC wall socket.
- Power appliances with excess solar energy via the built-in auxiliary socket, even during grid outages.

Simple scalable solution

- Easy setup with plug-and-play connectors for self-installation.
- Add panels anytime. Start small and expand the system when the need arises.[1]

Integrated connectivity

- Simplified setup with Wi-Fi or cellular data.
- 5-year data plan for monitoring and the latest updates.

Highly reliable

- IP67 rating for IQ8HC Microinverter.
- IP65 rating for IQ Balcony Gateway.
- 25-year warranty for IQ8HC Microinverter.
- 5-year warranty for IQ Balcony Gateway.

[1] Up to 7 panels with IQ8HC Microinverters can be operated with one IQ Balcony Gateway.

Model number	Description
IQ-BALC-WF-KIT	IQ Balcony Solar Wi-Fi Kit with IQ Balcony Gateway Wi-Fi
IQ-BALC-CF-KIT	IQ Balcony Solar Cellular Kit with IQ Balcony Gateway Cellular

What's in the IQ Balcony Solar Kit[2]	Quantity	Description
IQ8HC Microinverter	2	Smart grid-ready microinverters for the latest generation, high-efficiency PV modules
IQ Balcony Gateway	1	Lightweight device that connects IQ Microinverters to the AC wall socket and to the internet
IQ Cable	1	Simplified cabling for connecting two IQ Microinverters to IQ Balcony Gateway
AC Power Cable	1	Schuko cable to connect IQ Balcony Gateway to Schuko AC wall socket
IQ Sealing cap	2	Cap to seal the open end of the IQ Cable
IQ Disconnect tool	1	Custom-designed tool to easily unplug your components and wiring

IQ Balcony Gateway specifications			
Electrical specifications	Units	IQ-BALC-1P-WF	IQ-BALC-1P-CF
Nominal grid voltage	V	230 V (L–N)	
Min./Max. input voltage	V	195.5/253	
Rated current	A	12	
Nominal frequency	Hz	50	
Min./Max. frequency	Hz	47/52	
Auxiliary socket type	–	Type F	
Auxiliary output rating	–	230 V, 12 A, single-phase	
Auxiliary breaker rating	A	12	
Overvoltage category	–	III	
Maximum output power to grid	W	800	
Maximum output power to auxiliary socket	W	2760	

Interfaces	IQ-BALC-1P-WF	IQ-BALC-1P-CF
Wi-Fi/BLE	802.11b/g/n / BLE 4.2 (2.4 GHz)	
Cellular	–	CAT4
PLC	110–120 kHz (Class B)	
LED	2 (Main LED, Aux LED)	
Configured using	Enphase App	

Mechanical data	Units	IQ-BALC-1P-WF	IQ-BALC-1P-CF
Dimensions (L× W × D)	mm	273 × 116 × 93	
Weight	kg	1.14	1.19
IP rating	–	IP65 (Hatch closed and no Type F (Schuko) plug in the auxiliary socket); IP55 (Hatch closed with a right-angled Type F (Schuko) plug in the auxiliary socket)	
Mounting	–	Wall mount	

Mechanical data	Units	IQ-BALC-1P-WF	IQ-BALC-1P-CF
Pollution degree	–	2	

Environmental specifications		IQ-BALC-1P-WF	IQ-BALC-1P-CF
Operating temperature range		-20°C to 50°C	
Altitude		Up to 3000 m	
Relative humidity		0-100% non-condensing	
Installation location		Indoor or outdoor	

Compliance		IQ-BALC-1P-WF	IQ-BALC-1P-CF
Grid interconnect		VDE-AR-N-4105:2018-11	
Safety		EN 62368-1:2020	
RED		EN 62311, EN 300 328, EN 301 489-1, EN 301 489-17, EN 301 489-52, EN 301 908	
EMC/EMI		EN 50065-1, EN 61000-6-2, EN 61000-6-3, EN 61000-3-2, EN 61000-3-3, EN 50065-2-2, IEC 55011, IEC 55032	
Product labelling		CE, WEEE	
RoHS		EN IEC 63000:2018	

Components of the IQ Balcony Solar Kit

IQ8HC Microinverters

High-powered, 384 W microinverter to efficiently convert DC into AC. Connect PV modules to microinverters quickly and easily with MC4 connectors.

IQ Cables

Install microinverters quickly and safely with IQ Cables using plug-and-play connectors. Feed solar into the home with the Type F (Schuko) cable.

IQ Balcony Gateway

A smart and compact device that connects to the cloud to provide complete control and insights into the IQ Balcony Solar System.

Enphase App

Activate IQ Balcony Solar System with a few taps. Monitor your system status in real time from anywhere and see how much energy each panel is producing.

Revision history

Revision	Date	Description
DSH-00489-3.0	April 2025	Updated the compliance specifications.
DSH-00489-2.0	February 2025	Updated the specifications.
DSH-00489-1.0	June 2024	Preliminary release.