



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.

Components of IQ Balcony Solar Kit



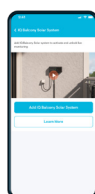
IQ8HC Microinverters
High-powered, 384 W microinverter to efficiently convert DC into AC. Connect PV modules to microinverters quickly and easily with MC4 connectors.



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



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.



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.



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

Plugin system with off-grid operation

- Feed up to 800 W into the home by plugging the system into an AC wall socket in the balcony
- Use excess solar energy to power appliances through the built-in auxiliary socket even during daytime grid outages

Simple scalable solution

- Easy setup with plug-and-play connectors for self-installation
- Add panels anytime¹. Start small and expand the system when the need arises

Integrated connectivity

- Simplified setup with Wi-Fi or cellular data
- 5-year data plan to stay connected for monitoring and to receive the latest updates

Highly reliable

- IP67 rating for IQ8HC Microinverter
- IP64 rating for IQ Balcony Gateway
- 25-year warranty for IQ8HC Microinverter
- 5-year warranty for IQ Balcony Gateway

IQ Balcony Solar Kit

MODEL NUMBER		
IQ-BALC-W-EU-KIT		IQ Balcony Solar Wi-Fi Kit with IQ Balcony Gateway Wi-Fi
IQ-BALC-C-EU-KIT		IQ Balcony Solar Cellular Kit with IQ Balcony Gateway Cellular
WHAT IS IN THE IQ BALCONY SOLAR KIT * QUANTITY		
IQ8HC Microinverter	2	Smart grid-ready microinverters for the latest generation, high-efficiency PV modules
IQ Balcony Gateway	1	Compact 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
IQ Cable Type F	1	Schuko cable to connect IQ Balcony Gateway to Schuko AC wall socket
IQ Sealing Cap	1	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	IQ-BALC-1P-W-EU	IQ-BALC-1P-C-EU
Nominal grid voltage	230 V (L-N)	
Minimum/Maximum input voltage	184 V/276 V	
Rated current	12 A	
Nominal frequency	50 Hz	
Minimum/Maximum frequency	45/55 Hz	
Auxiliary socket type	Type F	
Auxiliary output rating	230 V, 12 A, single-phase	
Auxiliary breaker rating	12 A	
Overvoltage category	II	
Maximum output power to grid	800 W	
Maximum output power to auxiliary socket	2760 W	
INTERFACES	IQ-BALC-1P-W-EU	IQ-BALC-1P-C-EU
Wi-Fi/BLE	802.11b/g/n (2.4 GHz)	
Cellular	—	CAT4 Modem
PLC	110–120 kHz (Class B)	
LED	Main LED, Socket LED	
Configured using	Enphase App	

* For individual component data sheets, refer to [Enphase Documentation Center](#).

MECHANICAL DATA	IQ-BALC-1P-W-EU	IQ-BALC-1P-C-EU
Dimensions (L × W × D)	273 mm × 116 mm × 93 mm	
Weight	<1000 g	
IP rating	<ul style="list-style-type: none"> • IP64 (Hatch closed and no Type F (Schucko) plug in the auxiliary socket) • IP45 (Hatch closed with a right-angled Type F (Schucko) plug in the auxiliary socket) • IP43 (Hatch open with a straight Type F (Schucko) plug in the auxiliary socket) 	
Mounting	Wall mount	
Pollution degree	2	
ENVIRONMENTAL SPECIFICATIONS	IQ-BALC-1P-W-EU	IQ-BALC-1P-C-EU
Operating temperature range	-40°C to 50°C	
Altitude	Up to 3000 m	
Relative humidity	0 – 100% non-condensing	
Installation location	Indoor or outdoor	
COMPLIANCE	IQ-BALC-1P-W-EU	IQ-BALC-1P-C-EU
Grid compliance	VDE-AR-N-4105:2018-11	
Safety	IEC 62368-1:2014	
RED standard	EN 300 328, EN 301 489-1, EN 301 893	
EMC/EMI	IEC 61000-6-3, IEC 61000-6-4, IEC 61000-3-3	
Product labelling	CE, WEEE	

Revision history

REVISION	DATE	DESCRIPTION
DSH-00489-1.0	June 2024	Preliminary release.