



## EZ1 series Wi-Fi Version for DIY

- One microinverter connects to two modules
- Max output power reaching 799/960VA
- Two input channels with independent MPPT
- High Input current to adapter to large modules
- Maximum reliability, IP67
- Built in Wi-Fi and Bluetooth
- Safety protection relay integrated
- Dedicated for balcony and DIY systems

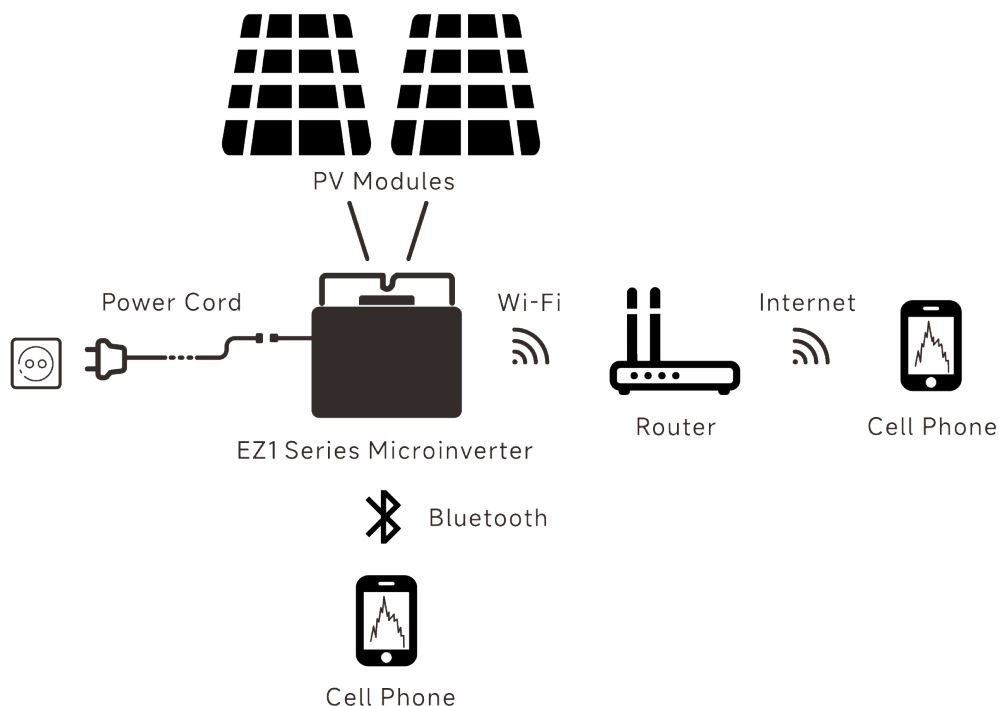
### PRODUCT FEATURES

The Wi-Fi version of EZ1 series are APsystems 3<sup>rd</sup> generation of dual microinverters, they are dedicated designed for balcony and DIY systems, EZ1 series micorinverters have 2 input channels with independent MPPT and high input current and output power to adapt to today's larger power module.

Users could directly connect to the EZ1 series with their cell phones through Bluetooth and get the real-time data of the solar systems. Besides direct connection, EZ1 series could also connect to a router through Wi-Fi and send data to cloud servers for remote monitoring.

Through an AC extension cable available from APsystems (optional), the EZ1 series could be plugged into a socket and start output energy, truly easy and convenient grid connection.

### EZ1 series Application Figure



# Datasheet | EZ1 Microinverter Series

<b>Model</b>	EZ1-M	EZ1-H
<b>Region</b>	EMEA	

## Input Data (DC)

Recommended PV Module Power (STC) Range	300Wp-730Wp+	410Wp-760Wp+
Peak Power Tracking Voltage	28V-45V	
Operating Voltage Range	26V-60V	
Maximum Input Voltage	60V	
Maximum Input Current	20A x 2	
Isc PV	25A x 2	

## Output Data (AC)

Maximum Continuous Output Power	600VA <sup>(1)</sup> /799VA	960VA
Nominal Output Voltage/Range	230V/184V-253V	
Nominal Output Current	2.6A <sup>(1)</sup> /3.5A	4.2A
Nominal Output Frequency/ Range	50Hz/48Hz-51Hz	
Default Power Factor	0.99	

## Efficiency

Peak Efficiency	96.7%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	20mW

## Mechanical Data

Operating Ambient Temperature Range	- 40 °C to + 65 °C	
Storage Temperature Range	- 40 °C to + 85 °C	
Dimensions (W x H x D)	263mm x 218mm x 36.5mm	263mm x 218mm x 37mm
Weight	2.8kg	3kg
DC Connector Type	Stäubli MC4 PV-ADBP4-S2&ADSP4-S2	
Cooling	Natural Convection - No Fans	
Enclosure Environmental Rating	IP67	

## Power Cord (Optional)

Wire Size	1.5mm <sup>2</sup>
Cable Length	5M as default
Plug Type	Schuko <sup>(2)</sup>

## Features

Communication	Built-in Wi-Fi and Bluetooth
Isolation Design	High Frequency Transformers, Galvanically Isolated
Energy Management <sup>(3)</sup>	AP EasyPower APP
Warranty	12 Years Standard

## Compliances


Safety, EMC & Grid Compliances	EN 62109-1/-2; EN 61000-6-1/-2/-3/-4; EN 50549-1; DIN V VDE V 0126-1-1; VFR; UTE C15-712-1; CEI 0-21; UNE 217002; NTS; RD647; VDE-AR-N 4105
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(1)The factory setting could be 600VA as default.

(2)If the microinverter is connected to grid by plug, please comply with the local regulation about the power limit.

(3)The EasyPower App supports monitoring up to 4 units of product from the EZ1 series. Please respect local regulations for the plug-in systems. In Germany, the maximum power for the plug-in systems is 800VA.

(4)APsystems' Microinverter Systems fully meet the rapid shutdown requirement without the need to install additional electrical equipment.

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