APsystems

Leading the Industry in
Solar Microinverter Technology

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

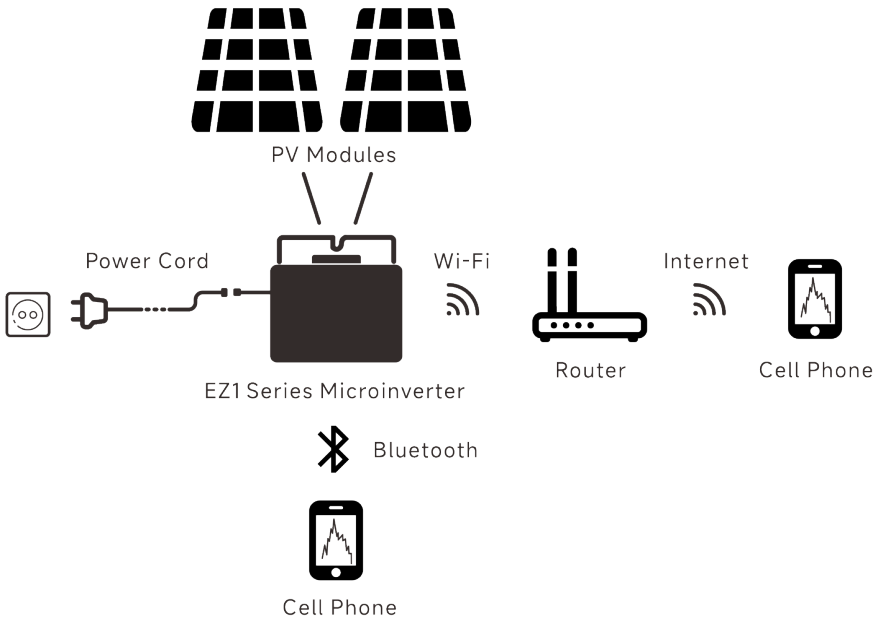
PRODUCT FEATURES

The Wi-Fi version of EZ1 series are APsystems 3rd 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



*The EZ1 series product is only suitable for the following DIY application scenarios, such as balcony, garden, garage, and carport. The EZ1 series is not suitable for the rooftop system application scenario.

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Datasheet | EZ1 Microinverter Series

Model	EZ1-M	EZ1-H
Region	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(1)/799VA	960VA
Nominal Output Voltage/Range	230V/184V-253V	
Nominal Output Current	2.6A(1)/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	MC4 Compatible	
Cooling	Natural Convection - No Fans	
Enclosure Environmental Rating	IP67	

Power Cord (Optional)

Wire Size	1.5mm²
Cable Length	5M as default
Plug Type	Schuko(2)

Features

Communication	Built-in Wi-Fi and Bluetooth
Maximum Units Can Be Connected(3)	2
Isolation Design	High Frequency Transformers, Galvanically Isolated
Energy Management(4)	AP EasyPower APP
Warranty(5)	12 Years Standard

Compliances

Safety, EMC & Grid Compliances	EN/IEC 62109-1; EN/IEC 62109-2; EN IEC 61000-6-1; EN IEC 61000-6-2; EN IEC 61000-6-3; EN IEC 61000-6-4; EN IEC 61000-3-2; EN 61000-3-3; EN 55011; EN 62920; EN 50549-1; EN 50549-10; NF EN 50549-1; NF EN 50549-10; PN-EN 50549-1; IRiESD; CEI 0-21; VDE-AR-N 4105; UTE C15-712-1; VFR 2019; UNE 217002; RD 647; RD 413; RD 1699; G98; G99; G98/NI; G99/NI

(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)For some countries it is limited to 1 because of the regulations.
(4)The EasyPower App supports monitoring up to 4 units of product from the EZ1 series. If the microinverter is connected to grid by plug, please comply with the local regulation about the power limit. In Germany, the maximum power for plug-in PV systems is 800W, otherwise a professional electrician or installer is needed.
(5)Support and warranty is not availabe for rooftop installation systems.
(6)APsystems' Microinverter Systems fully meet the rapid shutdown requirement without the need to install additional electrical equipment.

Specifications subject to change without notice please ensure you are using the most recent update found at web : emea.APsystems.com

European offices

APsystems
Karspeldreef 8, 1101 CJ Amsterdam, The Netherlands
Email : info.emea@apsystems.com

APsystems
22 Avenue Lionel Terray, 69330 Jonage, France
Email : info.emea@apsystems.com