APsystems

Leading the Industry in
Solar Microinverter Technology



EZ1-SPE

Wi-Fi Version for DIY

- One microinverter connects to one module
- Max output power reaching 500VA
- Maximum reliability, IP67
- Built in Wi-Fi and Bluetooth
- Safety protection relay integrated
- Dedicated for balcony and DIY systems
- High input current to adapter to large modules

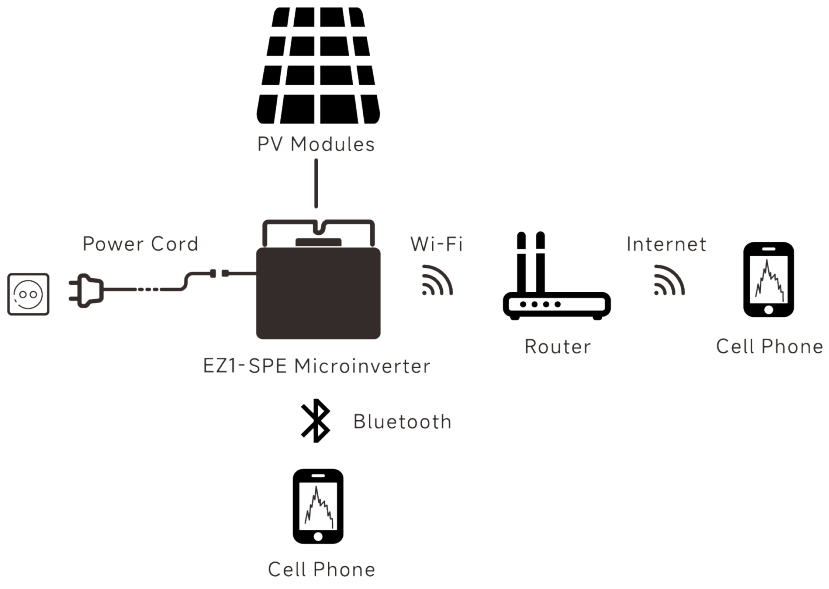
PRODUCT FEATURES

EZ1 series are APsystems 3rd generation of microinverter, it is dedicated designed for balcony and DIY systems, with features of 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 a power cord provided by APsystems, 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-SPE
Region	EMEA

Input Data (DC)

Recommended PV Module Power (STC) Range	255Wp-760Wp+
Peak Power Tracking Voltage	28V-45V
Operating Voltage Range	26V-60V
Maximum Input Voltage	60V
Maximum Input Current	18A
Isc PV	22.5A

Output Data (AC)

Maximum Continuous Output Power(1)	500VA
Nominal Output Voltage/Range	230V/184V-253V
Nominal Output Current	2.2A
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
Weight	2.5kg
DC Connector Type	MC4 Compatible
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	IP67

Power Cord (Optional)

Wire Size	2.5mm²
Cable Length	4M 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 can also be set to 300VA or 400VA on customer request.
(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.

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