



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

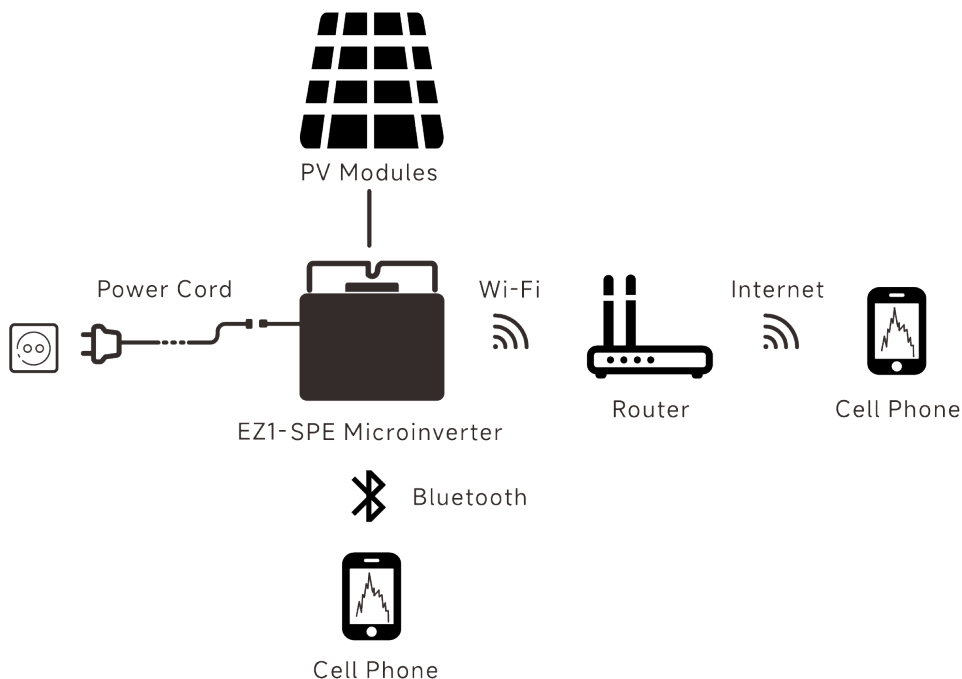
PRODUCT FEATURES

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



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	16V-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 ⁽²⁾	230V/184V-253V
Nominal Output Current	2.2A
Nominal Output Frequency/ Range ⁽²⁾	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 ⁽³⁾	- 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	Stäubli MC4 PV-ADBP4-S2&ADSP4-S2
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	IP67

Power Cord (Optional)

Wire Size	1.5mm ²
Cable Length	5M as default
Plug Type	Schuko

Features

Communication	Built-in Wi-Fi and Bluetooth
Maximum units connected ⁽⁴⁾	2
Isolation Design	High Frequency Transformers, Galvanically Isolated
Energy Management	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 can also be set to 300VA or 400VA on customer request.

(2) Nominal voltage/frequency range can be extended beyond nominal if required by the utility.

(3) The inverter may enter to power de-grade mode under poor ventilation and heat dissipation installation environment.

(4) For some countries it is limited to 1 because of the regulations.

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