APsystems
ALTENERGY POWER

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

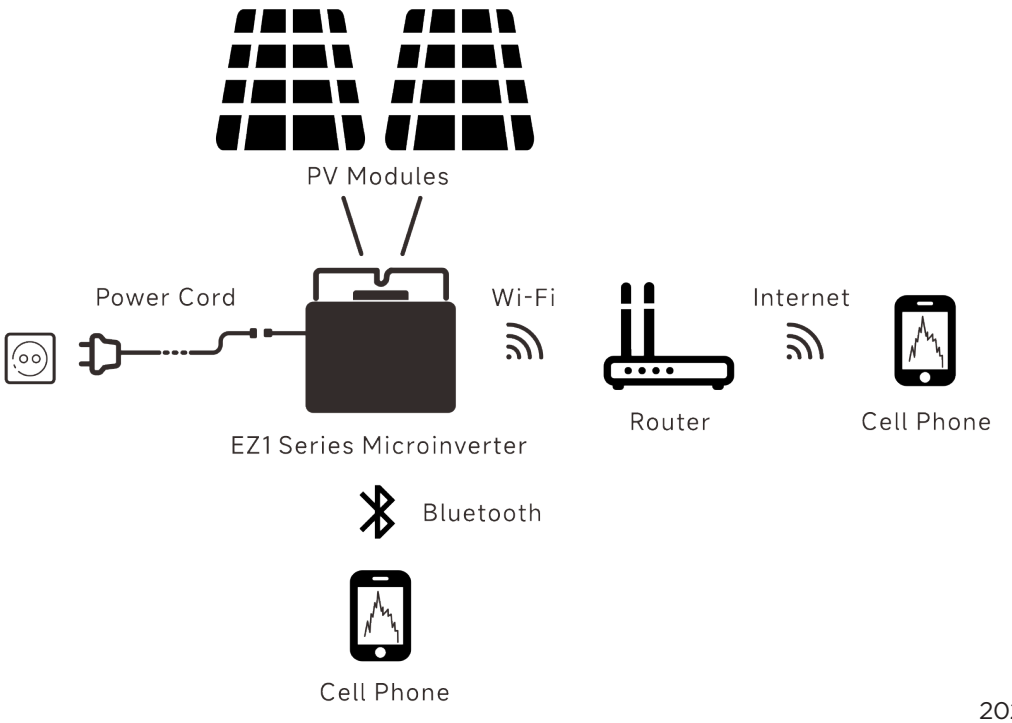
PRODUCT FEATURES

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



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	16V-60V	
Maximum Input Voltage	60V	
Maximum Input Current	20A x 2	
Isc PV	25A x 2	
Output Data (AC)		
Maximum Continuous Output Power	600VA(3)/799VA	960VA
Nominal Output Voltage/Range(1)	230V/184V-253V	
Nominal Output Current	2.6A(3)/3.5A	4.2A
Nominal Output Frequency/ Range(1)	50Hz/48Hz-51Hz	
Default Power Factor	0.99	
Efficiency		
Peak Efficiency	97.3%	
Nominal MPPT Efficiency	99.5%	
Night Power Consumption	20mW	
Mechanical Data		
Operating Ambient Temperature Range(2)	- 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	1.5mm²	
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 61000-1/-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	

(1) Nominal voltage/frequency range can be extended beyond nominal if required by the utility.
(2) The inverter may enter to power de-grade mode under poor ventilation and heat dissipation installation environment.
(3) The factory setting could be 600VA as default and raise to 800VA after intallation according to the regulation adjustment.
(4) For some countries it is limited to 1 because of the regulations.

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Specifications subject to change without notice please ensure you are using the most recent update found at web : www.solarv.de

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