SMARTER PLUG-IN SOLAR WITH THE EZ1 MICROINVERTER SERIES



TOTAL SAFETY
EFFICIENCY
FLEXIBILITY

APsystems
ALTENERGY POWER

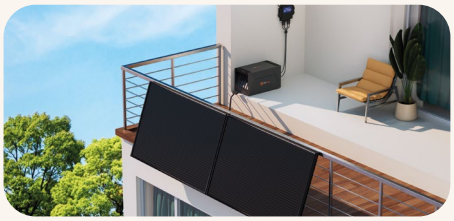
POWERFUL INNOVATIONS FOR DIY SOLAR

Plug and play, safer and smarter solar accessible to everyone

Plug-in solar systems (for example balcony solar systems) are becoming increasingly popular as a sustainable solution for energy production.
These systems usually consist of 2 to 4 solar panels installed on balconies, terraces, in gardens, etc., providing homeowners and tenants with an excellent power generation system reducing dependence on the power grid. One of the challenges of balcony solar systems is that they require a reliable and efficient inverter to convert DC power into usable AC electricity that can be used in the home. This is where the APsystems EZ1 microinverter series come in as the perfect solution for empowering solar balcony systems.







Product features

FLEXIBLE

- Integrated Wi-Fi and Bluetooth
- 500W; 800W or 960W

COMPACT

- Small & lightweight
- Adapts to various installations

RELIABLE

- Maximum reliability, IP67
- Up to 20 years warranty

SMART

- Dedicated APP Easypower, only 1 minute to connect the system
- Monitors each module's power generation

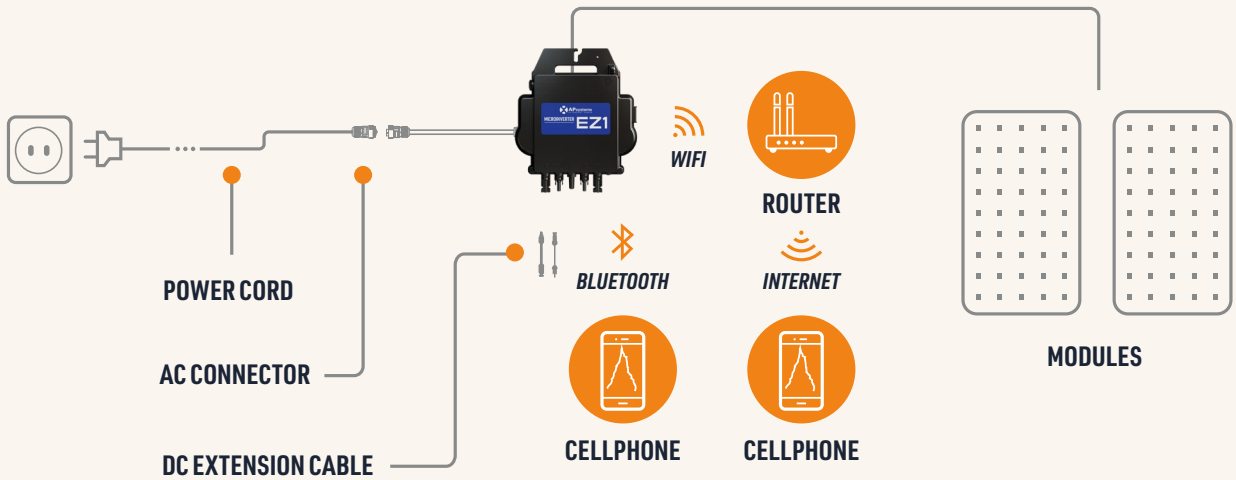
SAFE

- Single module parallel input structure, DC voltage less than 60V
- Built-in VDE relays

POWERFUL

- Two input channels with independent MPPT
- Industry-leading peak efficiency of 97.3%

Wiring diagram



Accessories



PowerCord



AC Connector



DC Extension Cable

DATASHEET

Wi-Fi Integrated Microinverter Series EZ1



DUAL MODULE

PRODUCTS	EZ1-M
INPUT DATA (DC)	
Recommended PV Module Power (STC) Range	300Wp-730Wp+
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 (DC)	
Maximum Continuous Output Power	600VA(1)/799VA
Nominal Output Voltage/ Range	230V/184V-253V
Nominal Output Current	2.6A/3.5A
Nominal Output Frequency/ Range	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	-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	2.8kg
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	4M as default
Plug Type	Schuko
FEATURES	
Communication	Built-in Wi-Fi and Bluetooth
Maximum Units Connected	2
Isolation Design	High Frequency Transformers, Galvanically Isolated
Energy Management	AP EasyPower APP
Warranty	12 years standard ; 20 years optional
COMPLIANCE	
Compliance	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) The factory default setting is 600VA and can be increased to 800VA automatically after the installation.

DRIVE A ZERO-CARBON FUTURE AND MAKE SMART ENERGY ACCESSIBLE TO EVERYONE

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