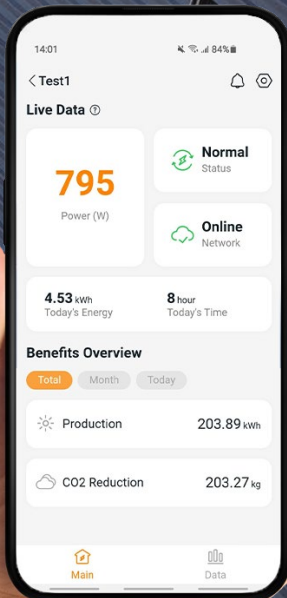# SMARTER PLUG-IN SOLAR WITH THE
EZ1 MICROINVERTER SERIES

TOTAL SAFETY
EFFICIENCY
FLEXIBILITY

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
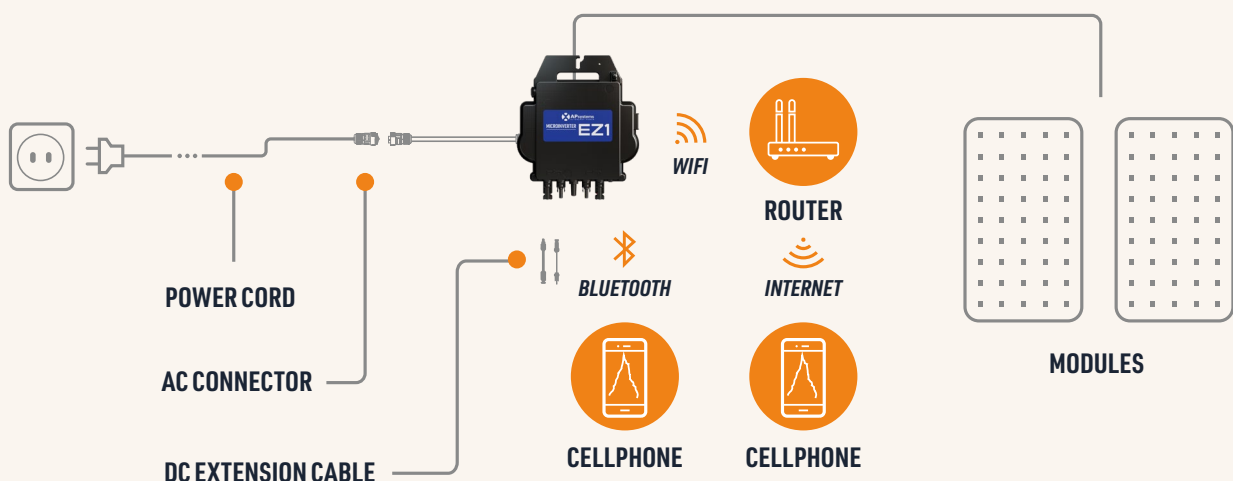- ✔ Monitors each module's power generation

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 & EZ1-SPE

| DUAL MODULE | SINGLE MODULE |

PRODUCTS	EZ1-H	EZ1-M	EZ1-SPE
INPUT DATA (DC)			
Recommended PV Module Power (STC) Range	410Wp-760Wp+	300Wp-730Wp+	255Wp-760Wp+
Peak Power Tracking Voltage	28V-45V		
Operating Voltage Range	16V-60V		
Maximum Input Voltage	60V		
Maximum Input Current	20A x 2		18A
Isc PV	25A x 2		22.5A
OUTPUT DATA (DC)			
Maximum Continuous Output Power	960VA	600VA$^{(1)}$/799VA	500VA
Nominal Output Voltage/ Range	230V/184V-253V		
Nominal Output Current	4.2A	2.6A/3.5A	2.2A
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 37mm	263mm x 218mm x 36.5mm	
Weight	3kg	2.8kg	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	1.5mm²		
Cable Length	5M 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

APsystems
ALTENERGY POWER

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