APsystems

Leading the Industry in **Solar Microinverter Technology**

EZ1-LV
Wi-Fi Version for DIY

- One microinverter connects to two modules
- Max output power reaching 900VA
- Two input channels with independent MPPT
- High Input current to adapter to large modules
- Maximum reliability, Type 6
- Built in Wi-Fi and Bluetooth
- Safety protection relay integrated
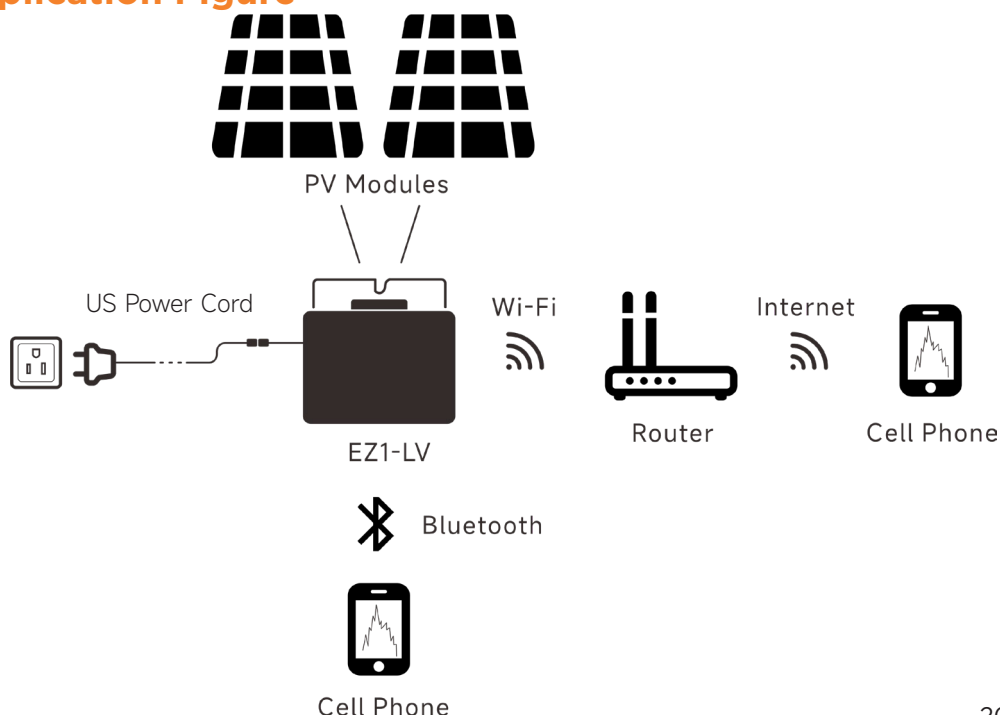- Dedicated for balcony and DIY systems

PRODUCT FEATURES

The EZ1-LV are APsystems 3rd generation of dual microinverters, they are dedicated designed for balcony and DIY systems, EZ1-LV 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-LV with their cell phones through Bluetooth and get the real-time data of the solar systems. Besides direct connection, EZ1-LV 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-LV could be plugged into a socket and start output energy, truly easy and convenient grid connection.

EZ1-LV Application Figure

PV Modules

US Power Cord

EZ1-LV

Wi-Fi

Router

Internet

Cell Phone

Bluetooth

Cell Phone

Model	EZ1-LV
Region	USA / Canada

Input Data (DC)

Recommended PV Module Power (STC) Range	315Wp-660Wp+
Peak Power Tracking Voltage	27V-45V
Operating Voltage Range	26V-60V
Maximum Input Voltage	60V
Maximum Input Current	18A x 2
Maximum Input Short Circuit Current	25A per input

Output Data (AC)

Maximum Continuous Output Power	900VA
Nominal Output Voltage/Range	120V/105.6V-132V
Nominal Output Current	7.5A
Nominal Output Frequency/ Range	60Hz/58.8Hz-61.2Hz (HECO:57Hz-63Hz)
Output Power Factor Rating	>0.99(-0.9~0.9 adjustable)

Efficiency

Peak Efficiency	96%
Nominal MPPT Efficiency	99.5%
Night Power Consumption	20mW

Mechanical Data

Operating Ambient Temperature Range	-40°F to +149°F(- 40 °C to + 65 °C)
Storage Temperature Range	-40°F to +185°F(- 40 °C to + 85 °C)
Dimensions (W x H x D)	11.1" × 9.2" × 1.6"(283mm x 233mm x 39.5mm)
Weight	9.3lbs(4.2kg)
DC Connector Type	Stäubli MC4 PV-ADBP4-S2&ADSP4-S2
Cooling	Natural Convection - No Fans
Enclosure Environmental Rating	Type 6

US Power Cord (Optional)

Wire Size	16AWG
Cable Length	3M as default
Plug Type	120V Standard plug

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	10 Years Standard

Compliances

Safety, EMC & Grid Compliances	UL1741; CSA C22.2 No.107.1-16; FCCPart15B; IECS-003; IEEE1547; UL1741SB; SRD-V2.0; NEC2014 & NEC2017 & NEC2020 Section 690.11 DC Arc-Fault circuit Protection NEC2014 & NEC2017 & NEC2020 Section 690.12 Rapid Shutdown of PV systems on Buildings

*The EasyPower App only supports monitoring of 2 unit of product from the EZ1-LV.
**The EZ1-LV product is only suitable for the following DIY application scenarios, such as balcony, garden, garage, and carport. The EZ1-LV is not suitable for the rooftop system application scenario.

Specifications subject to change without notice please ensure you are using the most recent update found at web : usa.APsystems.com

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CSA ®
C US

Meets the standard requirements for Distributed Energy Resources (UL 1741) and identified with the CSA Listed Mark