



## 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

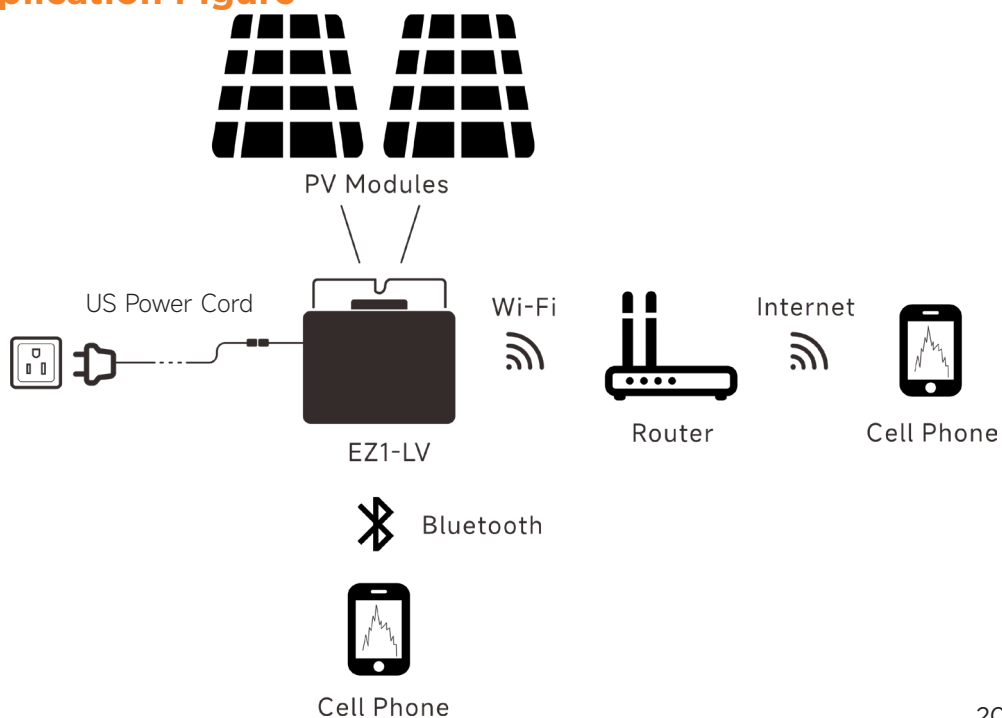
## PRODUCT FEATURES

The EZ1-LV are APsystems 3<sup>rd</sup> 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



# Datasheet | EZ1-LV Microinverter

## 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" x 9.2" x 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    | 18AWG              |
| Cable Length | 5M 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; IEC60335-1; IEEE1547; UL1741SB; SRD-V2.0; NEC2014 & NEC2017 & NEC2020 & NEC2023 Section 690.11 DC Arc-Fault circuit Protection NEC2014 & NEC2017 & NEC2020 & NEC2023 Section 690.12 Rapid Shutdown of PV systems on Buildings |
|--------------------------------|--|

\*The EasyPower App supports monitoring up to 4 units 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.

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## APsystems

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