

EZHI

HYBRID MICROINVERTER

MAKES YOUR
SOLAR POWER
STORAGE SOLUTION
EVEN **SMARTER**
AND MORE **EFFICIENT**



The perfect solution
for your plug-in PV system
- **compact, powerful,
reliable.**



[EME.APSYSTEMS.COM/DIY](https://emea.apsystems.com/diy)

EZHI

SINGLE-PHASE HYBRID MICROINVERTER FOR STORAGE

The EZHI is a miniature energy storage solution designed specifically for balcony photovoltaic setups.

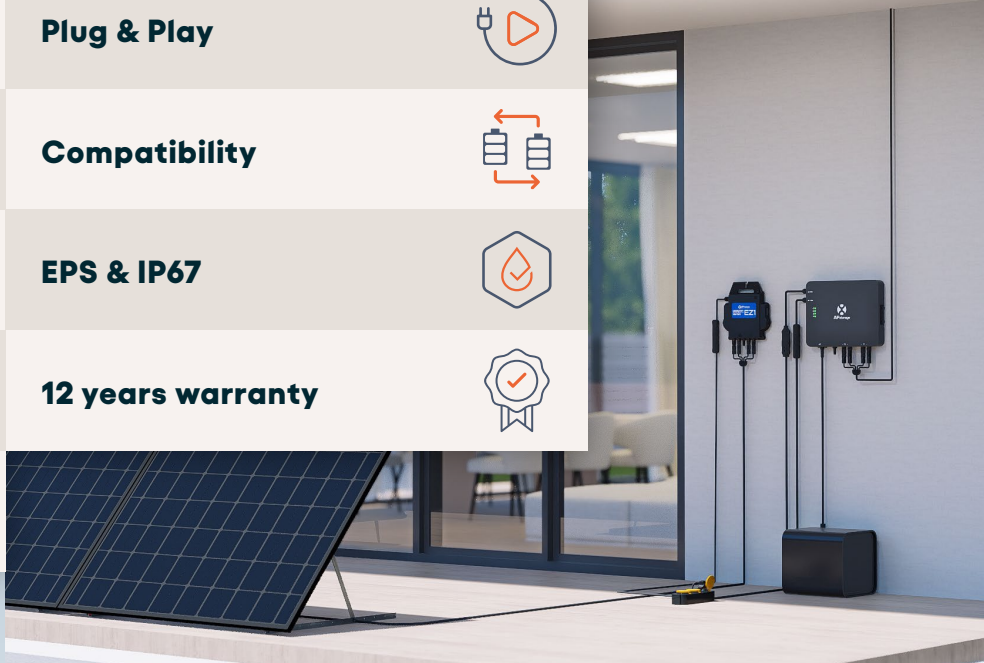
The core advantage of this system lies in its ability to store excess daytime generated power for nighttime or future use, enhancing energy utilization and optimizing cost-effectiveness according to customer needs.

EZHI is compatible with various photovoltaic micro-inverter systems, allowing for seamless integration into existing balcony photovoltaic setups.

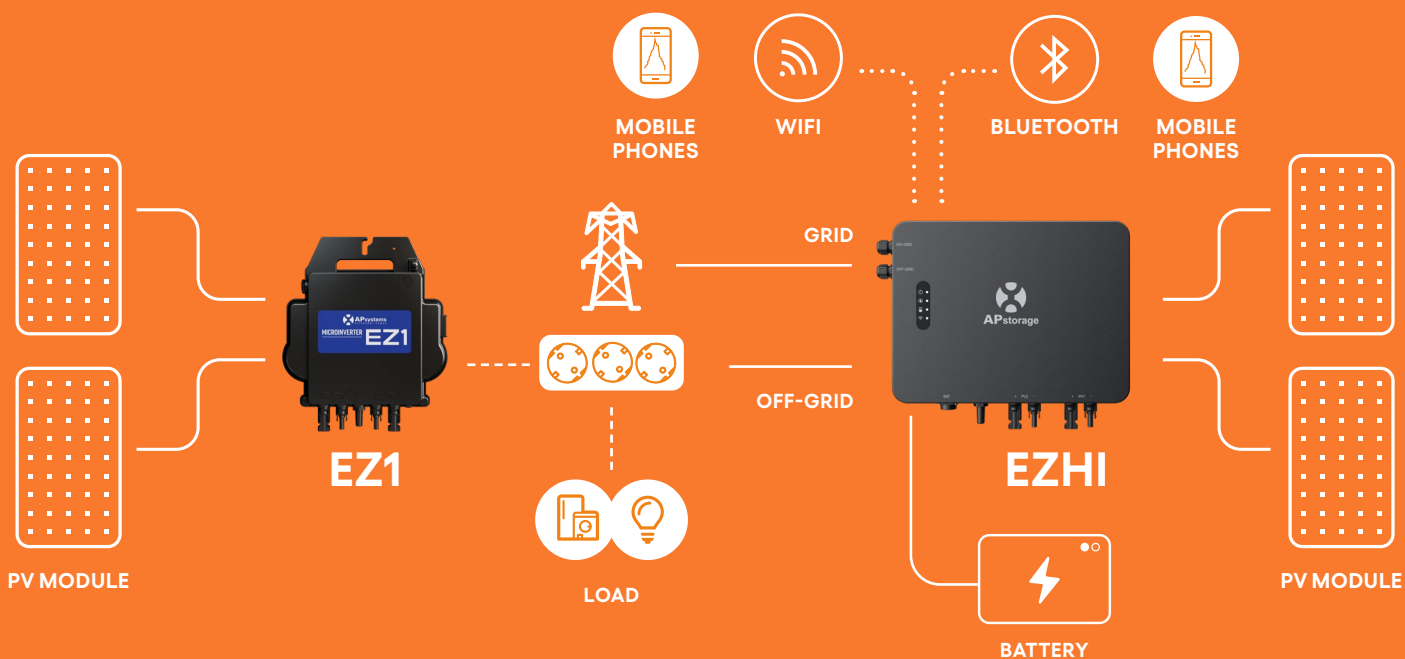
Featuring off-grid EPS functionality, the EZHI products provide backup power for lighting, household appliances, and more to address sudden power interruptions. Additionally, EZHI can also serve as a portable power source, meeting users' various off-grid power needs. The easy installation design provides users with flexibility and convenience.



Safe & reliable		Plug & Play	
Gan Tech		Compatibility	
Fast Charging		EPS & IP67	
Remote management		12 years warranty	
Zero Feed-In			



EZHI APPLICATION FIGURE



FEATURES

EZHI HYBRID MICROINVERTER

Extreme safety

Safeguarding Electricity Usage

- + Equipped with low-voltage modules and batteries, avoiding the safety hazards of high-voltage
- + High-frequency transformer isolation design, eliminating the risk of current leakage
- + The EZHI inverter and battery feature a separate design, providing flexibility and safety



Open and compatible

Free Interconnection

- + Flexible combination with 51.2V batteries (multi-brand)
- + Support for AC coupling in various photovoltaic systems
- + Zero feed-in for maximum self-consumption

Leading performance

Technology & Efficiency

- + Fanless design for ultra-quiet operation
- + Designed with GaN semiconductor devices
- + Supports continuous fast charging up to 2400W



Plug & Play

Smart and Flexible

- + Ideal for DIY users; Quick and easy installation
- + Support for expanding the capacity of multiple battery packs
- + Simple and efficient monitoring with the app

Consistently high quality

Robust and Reliable

- + IP67 protection rating, perfect for indoor and outdoor installation
- + 12 year warranty
- + 1200W Emergency Power for Uninterrupted Support
- + EPS with 5ms Switching Time for Seamless Power Backup



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PV Input

Maximum input power	600W×2
Recommended PV Module Power (STC) Range ⁽¹⁾	430Wp-900Wp+
Operating voltage range	12V-60V
Maximum input voltage	60V
MPPT voltage range	12V-48V
Start-up voltage	18V
Maximum continuous input current	17A×2
Isc PV	25A×2

AC Input and Output (on-grid Port)

Grid type	Single-phase
Nominal AC voltage ⁽²⁾	230V
Nominal AC frequency ⁽²⁾	50Hz
Default output apparent power ⁽³⁾	800VA
Maximum continuous output power	1200VA
Maximum continuous output current	5.22A
Maximum continuous input power	1200VA
Maximum continuous input current	5.22A
Power factor range	>0.99(+/- 0.8adj.)
EPS Switch Time	5ms

AC Input and Output (off-grid Port)

Grid type	Single-phase
Nominal AC voltage	230V
Nominal AC frequency	50Hz
Maximum continuous output power	1200VA
Peak output apparent power	1800VA, 10s
Maximum continuous output current	5.22A
Maximum continuous input power	2400VA
Maximum continuous input current	10.43A

Battery Ratings (Battery Port)

Battery voltage range	40-60VDC
Nominal battery voltage	51.2V
Communication Ports	CAN
Maximum Continuous Discharge Power	1200VA
Peak Discharge Power	1800VA, 10s
Maximum discharge current	27A
Maximum charge current	40A

General Specifications

Dimensions W/H/D	351mm × 269mm × 47mm
Weight	8KG
Maximum Efficiency	96.2%
Operating Ambient Temperature Range	-40°C-65°C
Storage Temperature Range	-40°C-85°C
Ingress Protection	IP67
Relative Humidity	10%-90%
DC Connector Type	QC4.3 Connector With Lock
Cooling	Natural Convection-No Fans
Maximum Altitude	<2000m
Pollution Degree Classification	PD3
Overvoltage Category	OVC II For PV and Battery Input Circuit, OVC III For Mains Circuit

Features

Communication	Built-in Wi-Fi and Bluetooth
Energy Management	AP EasyPower APP
Warranty	12 Years Standard

Compliances

Safety, EMC & Grid Compliances	EN 62109-1/-2; EN 62477-1; EN IEC 61000-6-1/-2/-3/-4; EN 62920; VDE-AR-N 4105;EN 303 645; EN 50549-1; NF EN 50549-1; EN 50549-10; NF EN 50549-10; G98; G99; G98/NI; G99/NI
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