



ENVERTECH



UNLOCK THE POWER OF THE SUN

WITH ENVERTECH

About us

Envertech has been a pioneer in developing microinverters since 2015, and we're driven by our belief that solar energy should be reliable, user-friendly and affordable for everyone.

Over the past decade, we've worked closely with our partners to create a best-in-class product that helps you make the most of your solar panel investment.

Our microinverters are not only highly efficient but also easy to use and extremely adaptable - all at a fair price. With headquarters in China and Europe, we deliver outstanding solar solutions worldwide.

Join us and make the switch to Envertech today.

ENVERTECH AT A GLANCE

EU HQ	Amsterdam, The Netherlands
Asia HQ	Shanghai, China
Sales EU	15+ Countries

Founded	2015
Sinomag investment	€16M (2023)
R&D team	95 FTE
Patents	13

Offices	Amsterdam, Shanghai, Hefei
Factories	Shanghai, Hefei
Capacity	1MLN+

Certifications



ENVERTECH TIMELINE

Growing together

The key to our success throughout the years has been our collaborations with our trusted partners and our team's ability to keep a clear and consistent focus on our goals to make solar energy obtainable for everyone.

By working closely with our global partners and listening to their feedback, we've developed high-quality microinverters that meet their unique needs and exceed their expectations.

Our mission:

To deliver top-of-the-line products that minimise unnecessary complexity and confusion at a fair price.

START | Founders

A founders team originating at one of the original innovators of microinverters

2017 | Growth

Expansion to Europe

2019 | Ownership

Fully owned by the employees

2015 | Launch



2018 | Global

Expansion to Brazil

2023 | Investment

Sinomag strategic partnership and investment

An aerial architectural rendering of a large industrial and office complex. The complex features several large, modern buildings with blue-tinted glass facades and flat roofs. Some buildings have solar panels installed on their roofs. The complex is situated along a wide river, with a green lawn and trees in the foreground. A road with a few cars runs alongside the river. In the background, more industrial buildings and a forested area are visible. The sky is clear and blue.

POWERED BY SINOMAG

As one of the top three global players, Sinomag is a publicly listed manufacturer of permanent magnets and commutators. With seven modern production facilities, Sinomag supplies high-quality products to customers worldwide.

Sinomag's trust and investment in Envertech brings a tremendous wealth of knowledge to our product and allows for the highest quality and performance standards without breaking the bank.

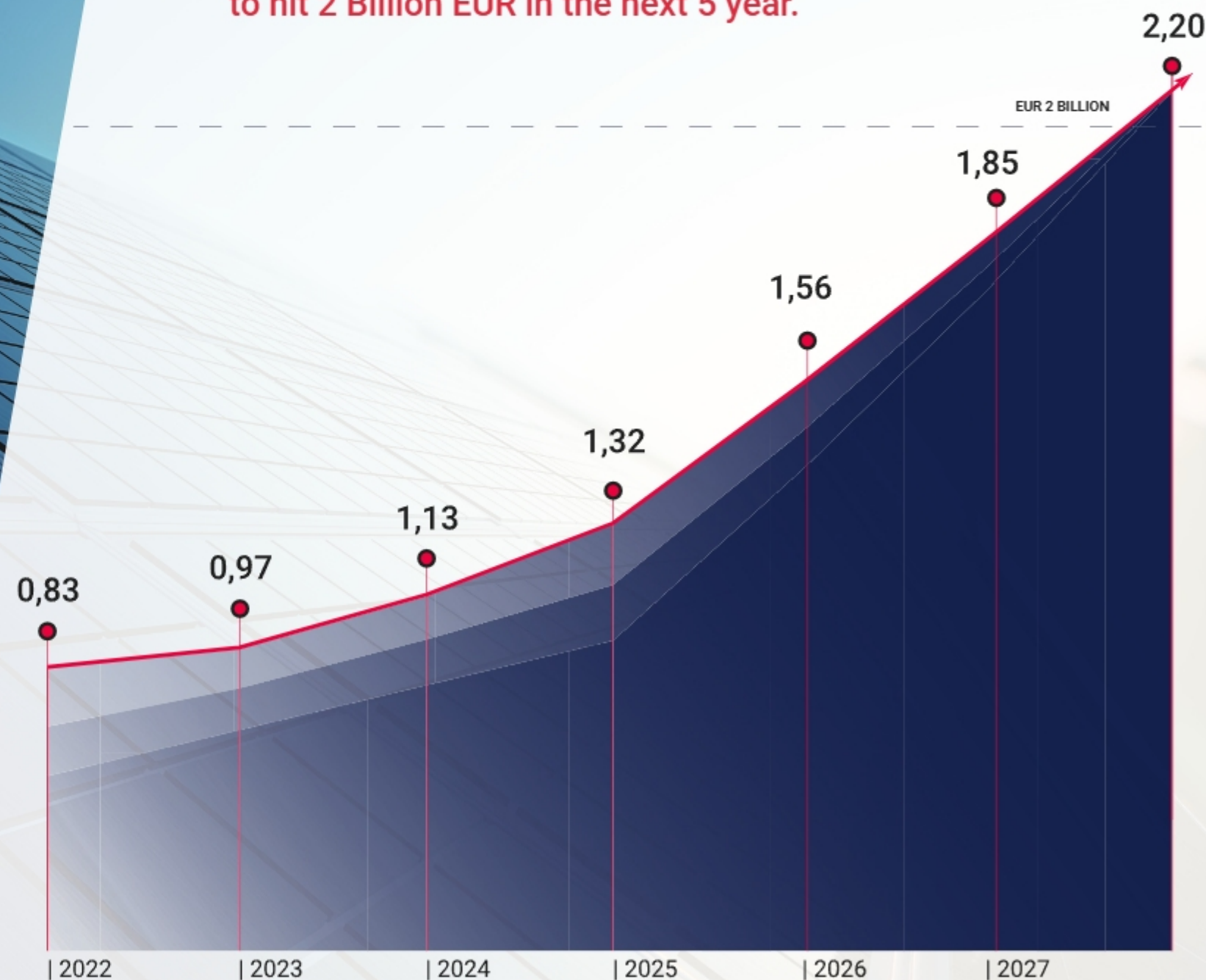
THE FUTURE IS BRIGHT FOR MICROINVERTERS

We aim to unlock Europe's growing potential for solar power.

Solar power is set to generate more than 60% of EU's electricity by 2050, powering millions of homes, cars and factories. Building on our long-term experience, backed by the power of Sinomag and our network of customers, Envertech wants to supercharge Europe's solar power.

We're dedicated to delivering outstanding products and services at a fair price for the entire continent.

The European Microinverter market is estimated to hit 2 Billion EUR in the next 5 year.



THE LATEST TRENDS DRIVING DEMAND FOR MICROINVERTERS

Beyond the Rooftop

Solar expands beyond the rooftop to innovative places such as balconies, canopies, and gardens.



Solar on-the-go

Solar power on-the-go is now a sustainable and convenient option for anyone traveling by car, boat or van.



Do-it-yourself solar

Hardware stores enable conscious consumers to create their own solar power systems, providing affordable options to go green.



MICROINVERTERS

The smart switch for your solar system

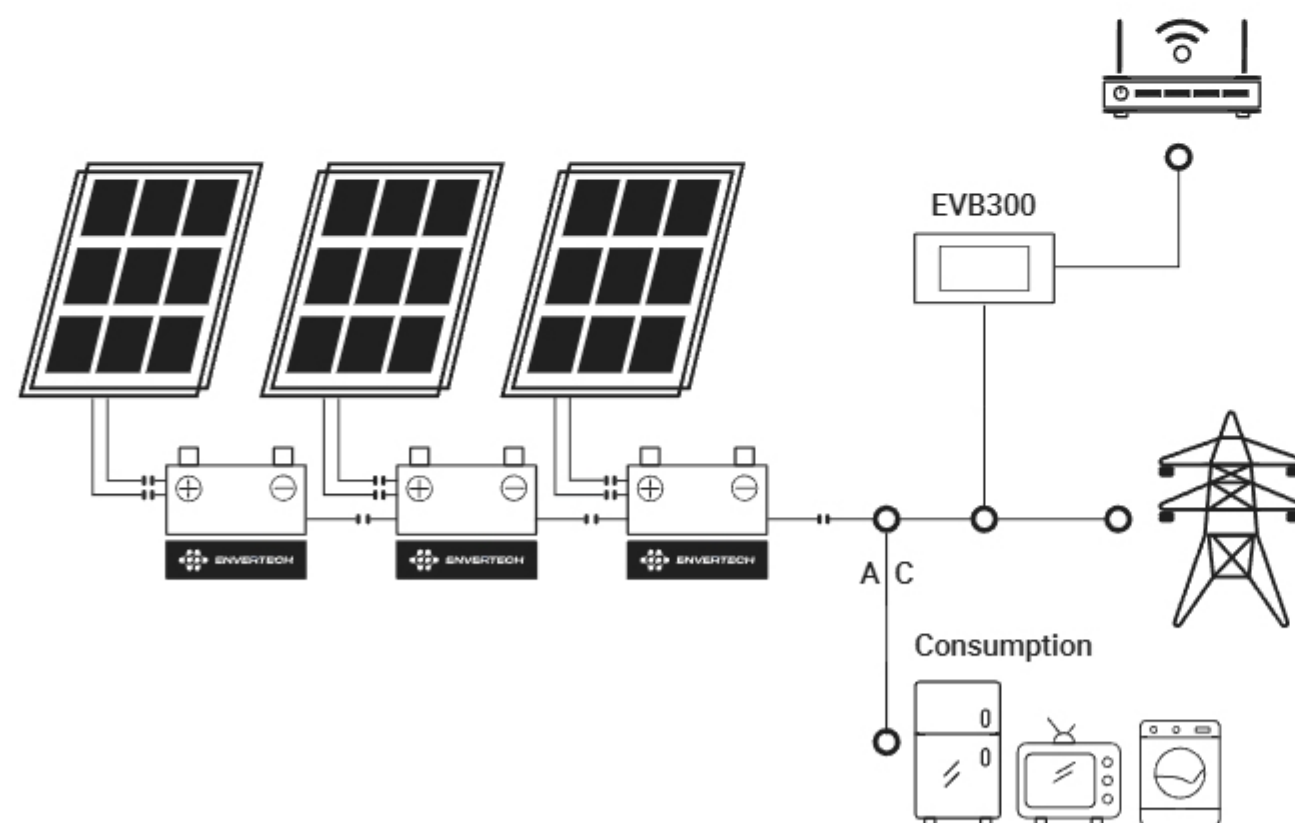
Maximizing Return

When it comes to maximizing the return on your investment and safety, microinverters are the best way to upgrade your solar system.

Microinverters enable each panel to independently produce electricity instead of having a string of panels chained together. Securing a more consistent power supply than

traditional systems, whilst increasing your overall energy output.

That is how microinverters take your solar power to the next level, producing savings that are easy, cheaper, faster—and beyond the rooftop!



Supercharged Efficiency

Maximize system performance by optimizing each panel, preventing shade or debris from affecting power output.

Endless Flexibility

Expand beyond traditional rooftop arrangements with endless flexibility to effortlessly adapt and extend panel setups.

Trusted Reliability

Trust in the reliable and consistent performance of the system with high-quality conversion and easy monitoring, providing long-lasting peace of mind.

Peace of Mind

Ensure peace of mind by eliminating high-voltage DC power, reducing fire risks and protecting your home and loved ones.

WHY CHOOSE ENVERTECH

Power your panels

You can trust Envertech for optimised performance, safety and flexibility at a fair price. Our reliable and consistent quality is constantly updated by our R&D professionals, with personalised support throughout Europe.

World class quality

Maximize your solar investment with our micro inverters. Achieve top yields and track your progress easily with our monitoring system.

Affordable to all

Our focused approach and Sinomag's production power allow us to offer top-notch products at an affordable price, ensuring that our products won't break the bank while maintaining quality.

Unique flexibility

Our unique two and four-panel systems allow you to add more panels as your energy needs grow, eliminating the hassle of complicated installations.

Simplicity at its best

Simplify your solar journey with our specialized products and services that provide easy-to-understand solutions without complex choices or setups.

Innovative development

Our team of 95 R&D professionals is always at the forefront of the industry, constantly updating and developing our products to provide innovative solutions for your solar needs.

Committed local support

We are committed to providing personalised service and advice for your solar needs from our local support teams throughout Europe, ensuring you get the quickest and best possible assistance.



INTRODUCING SOLAR KITS

Make the most of solar

Our new solar kit is the perfect way to kick-start your switch to solar. Each kit includes a powerful and efficient microinverter bundled with two top-quality solar panels from our trusted partner. This all-in-one package is designed to deliver maximum performance and value for your investment while providing easy installation and monitoring through our user-friendly app. With our easy-to-use installation guide, setting up your solar system has never been easier.

You can now enjoy the benefits of solar energy with even greater efficiency and convenience. Get started on your journey towards energy independence and sustainability today with the Envertech Solar Kit.

Intuitive monitoring

With our intuitive monitoring system, keeping track of your solar energy production has never been easier. Simply download our app, and you'll have real-time access to your system's performance at your fingertips. Stay on top of your energy savings and optimise your system's performance with just a few taps on your phone.

Our monitoring system gives you peace of mind knowing that your solar investment is performing at its best, saving you money and reducing your carbon footprint.





ENVERTECH PRODUCTS

The brightest choice

Our microinverters have been tested for top efficiency with a low failure rate. They were designed for maximum flexibility to suit all installation plans, whether for one, two or four panels and up to 400 or 650W.

They're easy to set up, and our specially designed app makes monitoring simple. Our system is backed by dedicated support throughout Europe, and each microinverter is designed for a lifetime of 25 years.



World class efficiency and low failure rate



Plug and play, easy installment and extension



Maximum flexibility for one, two or four panels, and up to 650W



15 year warranty



Easy-to-use monitoring



Close partnerships and dedicated support in Europe

COMMITTED TO PARTNERSHIPS



At Envertech, we believe in the power of collaborations, and it's always been our strong partnerships that have helped us deliver the best possible solutions. Through our decade of experience in the industry, we've built trusted relationships with our partners across Europe.

- With headquarters in Europe and support teams on the ground, we are perfectly positioned to provide exceptional local support to our customers. We understand the importance of being present and available to our partners and are committed to delivering the highest level of service.
- Our products are designed to last. With a 25-year lifetime and a 15-year guarantee, we offer you peace of mind that your investment is secure.
- Having tailored minimum quantities means that our partners can enjoy economies of scale and cost savings, allowing them to maximise their profit margins while offering the best deals to their customers.

Let's work together to power a sustainable future.



OUR COMMITMENT

Join us in unlocking the power of the sun as we
create a brighter, more sustainable future

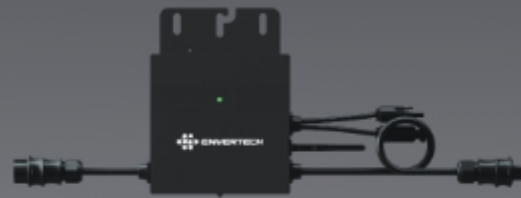
Our commitment to innovative technology, local support and affordable pricing ensures that solar power is accessible to everyone. Together, we can pave the way towards a cleaner, greener tomorrow.



Microinverters

EVT400

Connected to one single panel.



EVT2000

Connected to four panels



EVT600/800

Connected to two panels



SAFE

Low DC voltage.

QUALITY

Components selected from world-class brands.

MONITORING

Built-in WiFi or additional monitoring device* available

FLEXIBILITY

Adapts to any system size and optimizes space.

PLUG & PLAY

Hand-in-hand design, fewer add-ons, and fast installation.

15 YEARS

Long 25 years lifetime; optional up to 20 years warranty.

MODULE-LEVEL

Module-level optimization & monitoring.

Monitoring device*: Monitoring devices are optional at extra cost.

Monitoring

Enables users to manage the systems in a smart digital ways via PLCC or Built-in Wifi.

Model

EVT400

EVT600

EVT800

EVT2000

Input Data (DC)

Recommended Input Power Range(STC)	180W-550W+	(180W-550W+) *2	(180W-550W+) *2	[250W-650W+] *4
Max. DC Input (V)	60V	60V	60V	60V
Isc PV (Absolute Max.) (A)	25A	25A	25A	25A
Operating Range (V)	16V-60V	16V-60V	16V-60V	16V-60V
Max. Input Current (A)	14A	14A*2	14A*2	18A*4
MPPT Voltage Range (V)	22V-50V	22V-50V	22V-50V	22V-50V

Output Data (AC)

Normal Voltage (Vac)	220V/230V	220V/230V	220V/230V	220V/230V
Voltage Range (Vac)	189-260V	189-260V	189-260V	189-260V
Current (Max.continuous) (A)	1.81A	2.72A	3.63A	9.09A
Frequency (Hz)	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz	50Hz/60Hz
Frequency Range (Hz)	47.5-52.5Hz/57.5-62.5Hz	47.5-52.5Hz/57.5-62.5Hz	47.5-52.5Hz/57.5-62.5Hz	47.5-52.5Hz/57.5-62.5Hz
Power (Max.continuous) (W)	400W	600W	800W	2000W
Power Factor/Rated (default)	+/-0.90	+/-0.90	+/-0.90	+/-0.90
Total Harmonic Distortion	<3%	<3%	<3%	<3%
Maximum Units Per Branch (12AWG Cable)	13 Units	8 Units	6 Units	2 Units

Efficiency

Peak Efficiency	96.5%	96.8%	96.8%	96.5%
MPPT Efficiency	99.9%			
Nighttime Power Consumption	<100mW			

Features

Communication	PLCC (Power Line Carrier Communication) / WiFi
Compliance	VDE-AR-N 4105, IEC/EN61000, IEC/EN62109-1/2, EN50549-1/2019, TOR 2019, C10/11:2019, CEI 0-21 UTE C15-712-1:2013, VFR 2019 (See individual datasheet for specific product certifications)
Warranty	15 years (20 years optional)

Others

Ingress Protection (IP)	IP 67
Protective Class	Class I
Temperature (I)	-40°C to +65°C
Relative Humidity	0% - 98%
Overvoltage Category	OVC III [AC Main], OVC II (PV)
Inverter Isolation	■ High Frequency Isolated
Weight	2.1kg 4.1kg 4.1kg 6.5kg
Dimensions (W*H*D)	163.3mm*163.7mm*35.5mm 264 mm*194 mm*35.5 mm 264 mm*194 mm*35.5 mm 395mm*242.4mm*47mm

Microinverters

EVT1600SE

EVT1800SE

EVT2000SE



Connected to four panels

SAFE

Low DC voltage.

QUALITY

Components selected from world-class brands.

MONITORING

Built-in WiFi or additional monitoring device* available

FLEXIBILITY

Adapts to any system size and optimizes space.

PLUG & PLAY

Fast installation and better adaptation to small systems.

15 YEARS

Long 25 years lifetime; optional up to 20 years warranty.

MODULE-LEVEL

Module-level optimization & monitoring.

Monitoring device*: Monitoring devices are optional at extra cost.



Monitoring

Enables users to manage the systems in a smart digital ways via PLCC or Built-in Wifi.

Model

EVT 1600SE

EVT 1800SE

EVT 2000SE

Input DC Data

Recommend Module Power Range(W)	(250W - 650W+)*4	(250W - 650W+)*4	(250W - 650W+)*4
Maximum input voltage (V)	60V	60V	60V
MPPT voltage range (V)	22V-50V	22V-50V	22V-50V
Minimum start voltage (V)	16V	16V	16V
Maximum continuous input current (A)	20A*4	20A*4	20A*4
Maximum input short circuit current (A)	25A	25A	25A
Number of MPPT	4	4	4

Output AC Data

Maximum continuous output power(VA)	1600VA	1800VA	2000VA
Nominal output voltage/range (V)	220/230/ (189~260)	220/230/ (189~260)	220/230/ (189~260)
Maximum continuous output current (A)	7.27A	8.18A	9.09A
Nominal frequency/range (Hz)	50Hz (47.5~52.5Hz) 60Hz (57.5~62.5Hz)	50Hz (47.5~52.5Hz) 60Hz (57.5~62.5Hz)	50Hz (47.5~52.5Hz) 60Hz (57.5~62.5Hz)
Power factor(adjustable)	+/-0.9	+/-0.9	+/-0.9
Total harmonic distortion	3%	3%	3%
Maximum Units Per Branch (12AWG Cable)	3 Units	2 Units	2 Units
Maximum Units Per Branch (10AWG Cable)	4 Units	3 Units	3 Units

Efficiency

Peak efficiency	96.5%	96.3%	96.0%
MPPT efficiency	99.9%	99.9%	99.9%
Night power consumption (mW)	100mW	100mW	100mW

Mechanical and Environment Data

Ambient temperature range(°C)	-40~+65	-40~+65	-40~+65
Relative Humidity	0%-98%	0%-98%	0%-98%
Dimensions (W × H × D mm)	300*199.5*41mm	300*199.5*41mm	300*199.5*41mm
Weight (kg)	4.92kg	4.92kg	4.92kg
Ingress Protection	IP67	IP67	IP67
Cooling	Natural convection	Natural convection	Natural convection

Features

Communication	PLCC (Power Line Carrier Communication) / WiFi
Compliance	IEC/EN 62109-1/-2, IEC/EN 61000-3-2/-3, IEC/EN 61000-6-1/-2/-3/-4, IEC/EN 55014-1/-2, EN 50549-1:2019, IEC/EN 62920:2017, VDE-AR-N 4105:2018, TOR 2019, OVE R25:2020, NAVEEA-NE7-CH:2022, C1Q/11:2019, UTE C15-712-1:2013, VFR 2019, CEI 0-21:2019, 2016/631 EU - (NC RIG),
Inverter Isolation	High Frequency Isolated
Overvoltage Category	OVC III (AC Main), OVC II (PV)
Protective Class	Class I
Warranty	15 Years (20 years optional)

Monitoring device

EVB300

Communication gateway for Envertech microinverters.





FLEXIBILITY

Adapts to any system size and optimizes space.



SMART

Module-level online smart monitoring.



3 YEARS

Industrial leading warranty for monitoring devices.

Monitoring Device



Communicates with Envertech microinverters and enables users to manage the systems in a smart digital way.

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www.envertec.com

DATASHEET

Model	EVB300
Features	
RS485 Port	Automatic Control of Power Output Virtual communication port, used for communication and control between RS485 equipment and EVB300.
Internet Connection Options	Ethernet/WiFi (802.11g/n)
Storage (Optional)	Standard USB Local Storage
Capacity	
Number of Devices Connected	Up to 60 Units MPPT per phase
AC Supply / Consumption	
AC Supply	105~266VAC, 47.5~62.5Hz
Power Consumption	<2W
Mechanical Data	
Dimensions (W*H*D)	182mm*100mm*43mm
Weight	345 g
Cooling	Natural Convection- No Fans
Ambient Temperature Range	-40 C~+65 C
Ingress Protection (IP)	IP40
Compliance&Warranty	
Compliance	CE
Warranty	3 Years

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