

Company Brochure

Open Energy For All

Bringing smart solar to the entire world with
rugged technology

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Your Partner for Smart Energy Solution

Hoymiles' mission is to become the leading choice for getting started with smart energy, making good technology more impactful by ensuring it's accessible to everyone, and bringing smart solar to the entire world with high-quality products.

Hoymiles is a global MLPE (Module-Level Power Electronics) solution provider, specializing in module-level inverters and storage systems. With a vision of a clean, sustainable future, we strive to lead the smart energy industry through our rugged technology and reliable products.

With our driven engineer team, 500+ global experts and distribution & service network spanning North America, South America, Europe, Asia, Africa and Oceania, Hoymiles has empowered homeowners and professionals in more than 70 countries and regions to join the journey to true open energy. Now we are favored by the market as a trustworthy partner to our investors, installers and end consumers.



Hoymiles in Facts and Figures

Quick Facts



90

patents & software copyrights



70+

countries & regions with installation



500k+

microinverters installed since 2016



500+

global experts



100%

average annual increase in microinverter sales volume (2016-2020)



400k+

microinverters as annual manufacturing capacity



Tier 1

institution for research of China as origin



33+

countries & regions covered within partnership network

Global Certification



Hoymiles Timeline

Hoymiles was officially established as a business.

2012

Our microinverters were certified by the CSA, BV, SAA, and CQC.

2014

Dr. Bo Yang, founder of Hoymiles, won the second prize of the State Natural Science Award.

2016

Hoymiles helped write the national energy industry-standard of PV on-grid microinverters and optimizers (NB/T 42142-2018 & NB/T 42143-2018).

2018

2013

We began R&D cooperation with Japan Fuji Electric Co. Ltd.

2015

Certified as the State High-tech Enterprise.

We launched our microinverters in the US, Europe, and Australia.

2017

Raised 28 million USD in Series A funding. Our lab became a CSA authorized testing laboratory.

Launched MI 1000-1500, one of the most cost-effective 4 in 1 microinverters in the market.

2020

Certified as PV Manufacturing Model Enterprise by the Ministry of Industry and Information.

Launched the first generation of three-phase microinverter, adapted to the industrial and commercial system and the first generation of hybrid inverter.

Why Choosing Hoymiles is a Smart Choice

When you choose a technology partner, you're choosing more than the right components. Our team of driven engineers and rugged technology will help make every installation a success and allow you to grow your business with confidence.

Global Providers

We've installed power in 70+ countries and regions (and still counting). We have partnerships and service networks with over 30 countries worldwide.

Award-Winning

We've been listed in the Top 20 inverter companies in China, the State High-tech Enterprise, and have won awards with the State Natural Science.

Driven R&D Team

The Hoymiles team has created many pioneering technologies and products, such as the best CEC weighted efficiency 96.5% and the world's leading power density. We know what works and we're eager to continuously push the boundaries of open energy until it's accessible to all four corners of the world.

Effective Manufacturing

Our manufacturing team is rigorous and accurate in everything they do. We take pride in our production, our factory output, the speed of delivery, and quality testing.

Pioneering Technology

Our distributed technology is safer, smarter, and more efficient than most others in the industry. And it comes with a comprehensive warranty.

Decades of Experience

Our team has a solid academic background with decades of experience in the sustainable energy sector.

Responsive Support

We deliver the kind of fast support you can stake your reputation on. Hoymiles College is your hub for all things education, from training videos and blog posts, to independent reviews from industry leaders.



Our Products

When you choose Hoymiles, you're choosing a neat set of advantages. Our products have a low failure rate, high-efficiency in converting DC to AC, are of the highest industry quality, and are incredibly easy to install.

Increased Return on Investment

- Easily install units in challenging conditions and positions
- Low start-up voltage

Smarter

- Module-level monitoring for remote trouble-shooting & maintenance

More Efficient

- World's leading power density
- Best CEC weighted efficiency: 96.5%
- Leading MPPT efficiency: 99.8%

Installer Friendly

- Full product range: 1-1 to 1-6, 250W-2250W
- High cost effective (LCOE)
- Plug-and-play, easy installation
- Extensive warranty

Safer

- Up to 60V DC input voltage to eliminate the risk of a rooftop fire
- IP67

More Reliable

- Low failure rate (0.18%)
- Global compliant: EN50549-1:2019 and California Rule 21



Single-Phase Microinverters



Turn the power from your solar panels into usable electricity with a single-phase microinverter. These are best suited for residential use and in small commercial environments. Our microinverters are long-lasting, easy to install and come with incredibly low failure rates.

Plug-and-play

Our ready-to-go microinverters get your solar ecosystem up and running quickly.

Module-Level Monitoring

Make remote troubleshooting and maintenance management easy.

External Antenna

Have confidence in stronger communication and stable monitoring.

Natural Rapid Shutdown

Up to 60V DC input voltage to eliminate the risk of a rooftop fire.

Adaptable

Match your installation and solar panel layout for an easy setup.

Compact

Smaller than A4 paper size and just 3kg for manageable setup.

Compliant

Adhere to legal standards like EN50549-1:2019 and the California Rule 21.

Low Failure Rate

Hoymiles microinverters stood a series of rigorous environmental and electrical reliability tests, with an annual failure rate lower than 0.18%.

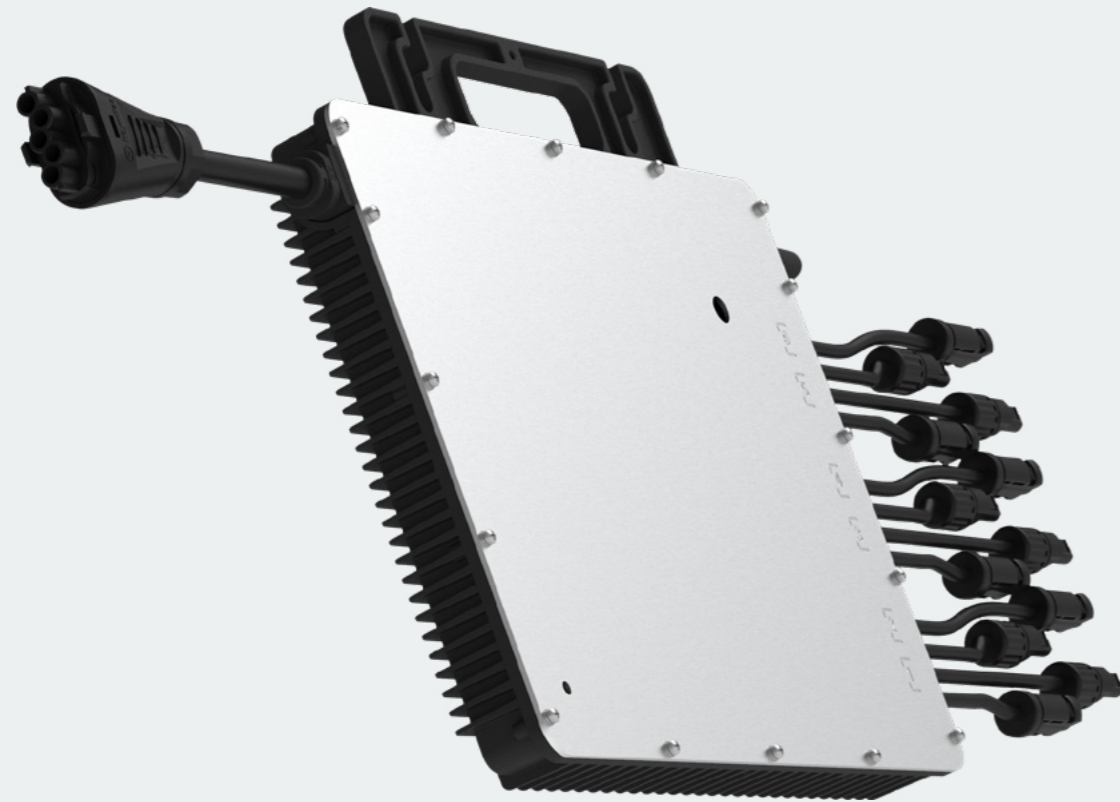
Scalable

Employ 1-in-1 microinverters for single solar panels, 2-in-1 microinverters to connect two solar panels, and 4-in-1 microinverters for more demanding environments.

Extensive Warranty

Minimum 12-year warranty with options to extend up to 25 years.

Three-Phase Microinverters



Our three-phase microinverters include reactive power control to improve the performance and stability of your installation. These are the first of their kind, and are able to support up to six solar panels at once - perfect for industrial settings.

Plug-and-play

Our ready-to-go microinverters get your solar ecosystem up and running quickly.

Module-Level Monitoring

Make remote troubleshooting and maintenance management easy.

External Antenna

Stronger communication and stable monitoring.

Natural Rapid Shutdown

Up to 60V DC input voltage to eliminate the risk of a rooftop fire.

Adaptable

Match your installation and solar panel layout for an easy setup.

Increased Performance

Sub-1G wireless ensures other devices don't interfere with installation.

Compliant

Adhere to legal standards like EN50549-1:2019 and VDE-AR-N 4105:2018.

Low Failure Rate

Hoymiles microinverters stood a series of rigorous environmental and electrical reliability tests, with an annual failure rate lower than 0.18%.

Reactive Power Control

6-in-1 microinverters with an output of up to 2250VA.

Extensive Warranty

Minimum 12-year warranty with options to extend up to 25 years.

Data Transfer Units



Our DTUs bridge your solar system and its data. Gain valuable insights into your sustainability and bring data together for easy management, quick troubleshooting, and proactive support. All our DTUs are backed by a comprehensive 24-month warranty to give you peace of mind.

DTU-Pro

- WiFi, GPRS, or 4G connectivity
- Dependable monitoring and data storage for your entire installation
- Consumption and load monitoring in S-Miles Cloud
- External antenna for strong, reliable communication
- Ideal for every kind of installation

DTU-Lite 4G

- Increased flexibility and stability
- Fast 4G wireless and WiFi included as standard
- Optimize communication across your installation
- One of the first units of its kind
- Quick installation and guaranteed great performance

DTU-W100

- Plug-and-play format for powerful data capture
- WiFi to feed performance data to our user-friendly monitoring platform
- Easily monitor consumption
- Change your settings with a single click
- Explore potential performance issues

Energy Storage

Store surplus energy and use it however and whenever you want with our HY3-series hybrid inverters. Increase your self-sufficiency by more than 80% and reduce your energy bill while creating an always-available source of backup power.



The next generation of inverters

Get more from your installation and become energy independent

Achieve energy independence

- Create a backup power source
- Use more of the energy you create and reduce your waste

S-Miles Cloud for easy management

- Monitor your entire solar installation with our smart online monitoring platform
- Intelligently store your energy and its data

Monitoring Platform



Monitor your entire solar ecosystem in real-time. Available on mobile devices and web browsers, our S-Miles Cloud is everything you need to manage and troubleshoot your photovoltaic installation. Maximize your performance, stay in control of your solar system, and make data-driven decisions at every stage.

- Visual data on your energy production and usage
- In-depth analytics to monitor where your energy usage is going
- Simple interface that makes managing and monitoring consumption easy
- Check on individual solar panels
- Track your monthly and lifetime energy production
- Proactive alerts to warn you of any issues
- See your environmental impact in one quick glance
- Monitor production over time and track the performance of your system
- Compare solar panel performance side-by-side
- Change settings with a simple click
- Monitor multiple plants from the same dashboard
- Generate custom reports for you and your customers



Case Study

Powering South Africa's Largest PV Power Station



When one partner wanted to build an ambitious roof-mounted power station while reducing Levelized Cost of Electricity (LCOE), they turned to Hoymiles' microinverters. The project was the first of its kind in South Africa, and the equipment used made it possible to build and operate a higher-yielding PV power station than ever before.

Working closely with our local distributor, we delivered high-performing MI-600 (2-in-1) microinverters that offer module-level monitoring and module-level MPPT. Hoymiles provided 22V startup voltage to ensure longer working time, up to 60V DC input to ensure 100% safety, and no DC wiring for a much easier installation at any scale.

Project Success

MI-600

Capacity: 158kW

- Location: Johannesburg
- Completion: 2018.04



MI-1200

Capacity: 43.2kW

- Location: Bloemfontein
- Completion: 2019.04.24



MI-1200

Commercial
Capacity: 23.76kW

- Location: Sandton, Johannesburg
- Completion: 2019.07.24



Case Study

Supporting a Forward-Thinking Sustainable Village



Building on successful wind farm projects, the Village of Carmangay worked with us to install a solar system that could deliver more than 150% of the energy its municipal buildings would need.

Geographically, the location was an ideal hotspot for renewable energy. To the east of the Village, you'll find the 300MW Blackspring Ridge wind farm,

the biggest investment in wind energy in the entire province. It was a no-brainer for the Village to move to a solar energy supply.

The system we installed reduced emissions by 78,566 lbs a year (the equivalent of planting 1284 trees).

Project Success

MI-300

MI-600

MI-1200

Capacity: 94.38kW

- Location: Wolfville, Nova Scotia
- Completion: 2020.06.15



MI-1500

Capacity: 35.1kW

- Location: Sheet Harbour, Canada
- Completion: 2021.06.15



Case Study

Saving \$35,000 a Year on Electricity



One farm in Missouri dramatically reduced its energy costs with our rugged technology and engineering expertise. In the process, they unlocked a lucrative new revenue stream.

The owner needed four separate systems to power 10 facilities in the heart of Missouri. We installed two 98.8kW solar systems, a 60.8kW system, and

a 22.8kW system connected to a suite of chicken barns and an on-site office.

Based on the current kWh price, the system will have paid for itself after 3.7 years, generating a profit of \$35,000 a year.

Project Success

MI-1200

Capacity: 281kW

- Location: Central Missouri, US
- Completion: 2020. 08



Project Success

MI-600

Capacity: 3700 kW

- Location: Fujian, China
- Completion: 2017.09



MI-1200

Capacity: 500kW

- Location: Yerevan, Armenia
- Completion: 2019.12.08



MI-1200

Residential
Capacity: 7kW

- Location: Bystrzyca, Poland
- Completion: 2019.09.11



Project Success

MI-600

Capacity: 2.4kW

- Location: Canet-en-Roussillon, France
- Completion: 2019.06.05



MI-1200

Golf Course
Capacity: 250kW

- Location: Ayutthai, Thailand
- Completion: 2020.04



HM-1200

Capacity: 4.08kW

- Location: Nicosia, Cyprus
- Completion: 2021.02.15



Project Success

MI-600

Capacity: 63.6kW

- Location: Pärnu county, Estonia
- Completion: 2019.01.11



MI-600

Capacity: 30kW

- Location: Kyiv, Ukraine
- Completion: 2018.09.29



MI-600

Capacity: 3.6kW

- Location: Saubens, France
- Completion: 2018.12.21



Project Success

MI-600

Capacity: 5.4kW

- Location: Luc-la-Primaube, France
- Completion: 2019.10.25



HM-1200

Capacity: 15kW

- Location: Kuala Lumpur, Malaysia
- Completion: 2019



MI-1200

MI-600

Capacity: 15.84kW

- Location: Malabon City, Philippines
- Completion: 2019.09



Project Success

MI-600

Solar Farm
Capacity: 35kW

- Location: Bangkok, Thailand
- Completion: 2018



MI-1200

Commercial
Capacity: 15.36kW

- Location: Bangkok, Thailand
- Completion: 2019.03



MI-1200

MI-600
Capacity: 29kW

- Location: Panama City
- Completion: 2020.02



Project Success

MI-1200

Capacity: 12kW

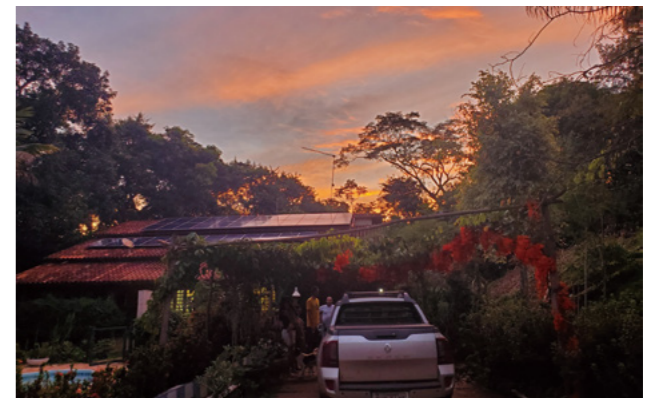
- Location: Sao Paulo
- Completion: 2020.02



MI-1200

Capacity: 12kW

- Location: Goiania
- Completion: 2020.02



MI-1200

Capacity: 36kW

- Location: Goiania
- Completion: 2020.02



Project Success

MI-1200

Capacity: 77.52kW

- Location: Goiania
- Completion: 2020.02



MI-1200

MI-600

Capacity: 3.02kW

- Location: Guadalajara
- Completion: 2019.12.18



MI-600

Capacity: 2.31kW

- Location: Mexico City
- Completion: 2019.12.27



Project Success

MI-1200

Commercial

Capacity: 60kW

- Location: Morocco
- Completion: 2019.09.11



MI-1200

Capacity: 117kW

- Location: Morocco
- Completion: 2019.10.15



MI-600

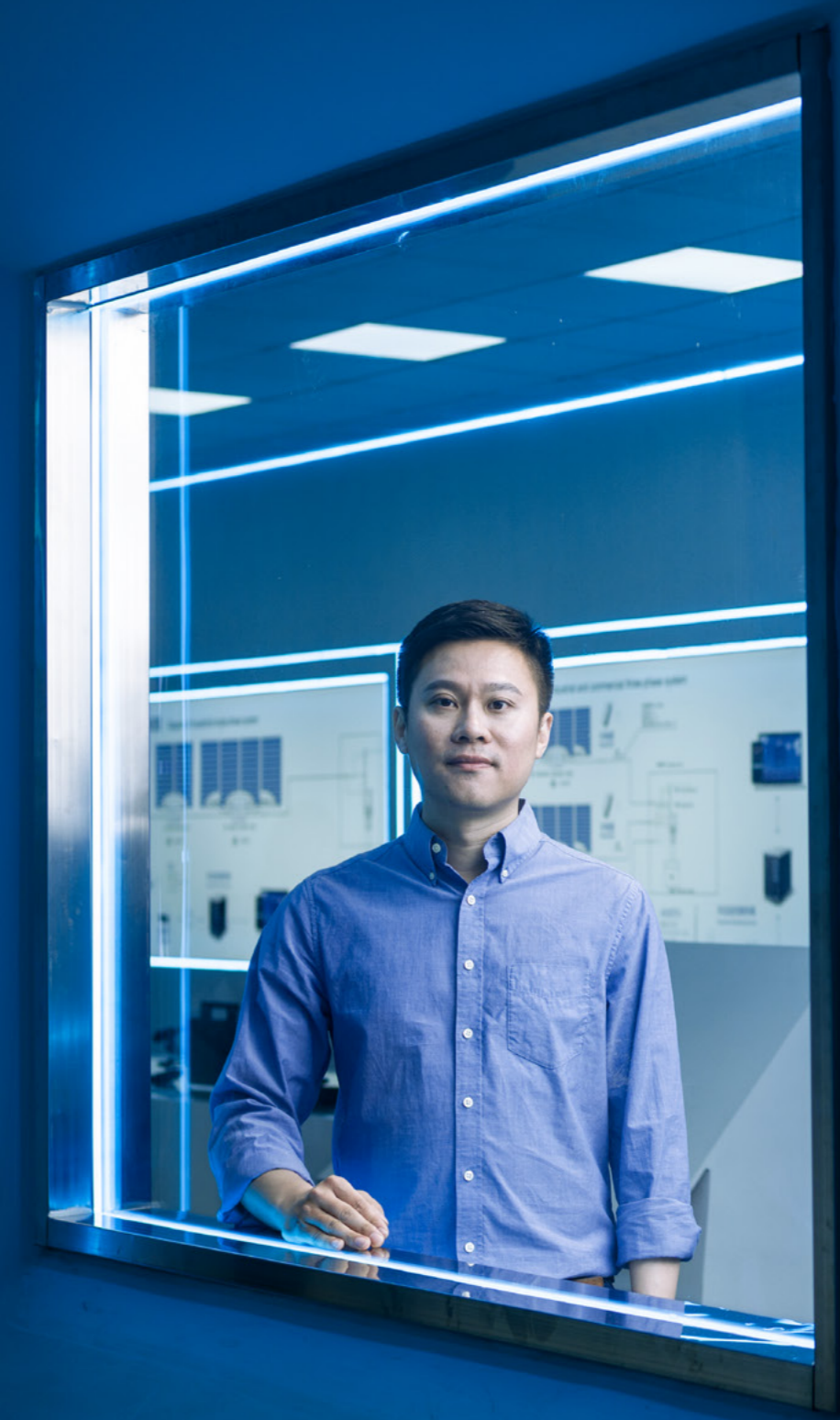
Capacity: 12kW

- Location: Wroclaw, Poland
- Completion: 2019.11.20



At Hoymiles, we're committed to creating sustainable energy for everyone.

Through research-backed solar system development, we're helping businesses and individuals reduce their energy emissions and optimize their spending. Our mission is to help more organizations tap into open energy sources, whether it's for a residential project or an industrial or commercial project.



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