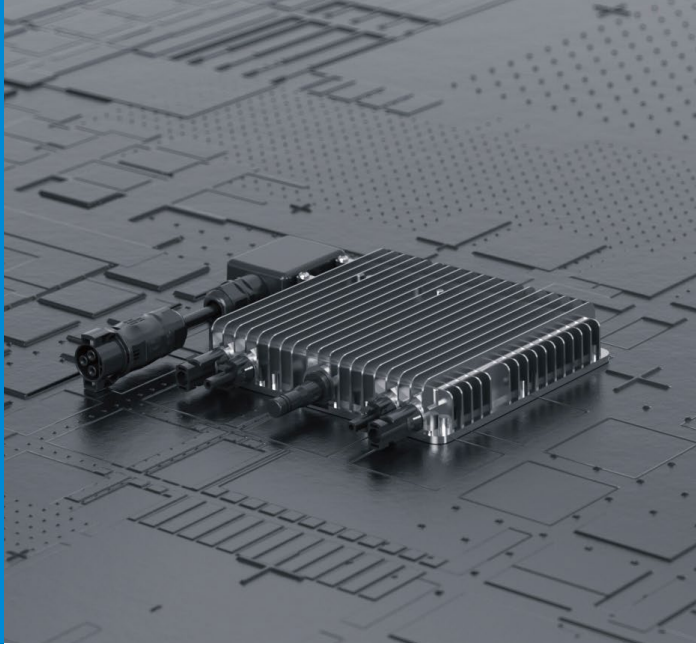


# Microinverter 300W-2250W

Deye microinverter offers a spectrum of power options ranging from 300W to 2250W, accompanied by one, two, or four-way Maximum Power Point Tracking (MPPT). It features module-level monitoring and optimization, Wi-Fi direct connection, and capabilities for remote rapid shutdown.

The complete Network & System protection ensures the safe operation of the product within home electrical grids. Installation is easy and straightforward; by connecting to a Wi-Fi hotspot, the product can join the home WLAN network for cloud-based monitoring and management.

Deye Microinverters provide a more cost-effective and convenient solution for small photovoltaic power stations and balcony photovoltaic systems.



- 300W-2250W Power Range
- Wi-Fi Direct Connection
- Module-level Monitoring
- Remote Rapid Shutdown
- Easy Installation
- Optimal Power

## Microinverter



Mode	300-500W	600-1000W	600-1100W	1300-2250W
<b>PV String Input Data</b>	M30 M40 M50	M60 M80 M100	D60 D80 D100	M130 M160 M180 M200 M220 M225
MPPT/1 Panel	1	2	1	4
Max. PV Input Power(W)	210-700(1 Piece)	210-700(2 Pieces)	210-700(1 Piece)	210-790(4 Piece)
Max. PV Input Voltage(V)	60	60	110	60
Start-up Voltage(V)	20	20	50	20
MPPT Voltage Range(V)	25-55	25-55	60-100	25-55
Rated PV Input Voltage(V)	42.5	42.5	42.5	42.5
Max. Operating PV Input Current(A)	13+13	13+13	18	18+18+18+18
Max. Input Short Circuit Current(A)	19.5+19.5	19.5+19.5	27	27+27+27+27
No. of MPP Trackers/No. of Strings MPP Tracker	1/1	2/1	1/1	4/1
<b>AC Output Side</b>				
Rated AC Output Active Power(W)	300 400 500	600 800 1000	600 800 1000	1300 1600 1800 2000 2200 2250
Max. AC Output Apparent Power(WA)	300 400 500	600 800 1000	600 800 1000	1300 1600 1800 2000 2200 2250
Rated Output Voltage/Range (V)	220/230 0.85Un-1.1Un	220/230 0.85Un-1.1Un	220/230 0.85Un-1.1Un	220/230 0.85Un-1.1Un
Grid Connection Form	L/N/PE	L/N/PE	L/N/PE	L/N/PE
Rated Output Grid Frequency /Range(Hz)	50/45-55, 60/55-65	50/45-55, 60/55-65	50/45-55, 60/55-65	50/45-55, 60/55-65
Max. Unit per Branch	17 13 10	8 6 5		5 4 3 3 3 3 3
Power Factor Adjustment Range	0.9 leading-0.9 lagging	0.9 leading-0.9 lagging	0.9 leading-0.9 lagging	0.9 leading-0.9 lagging
<b>General Data</b>				
Operating Temperature Range(°C)	-40 to +65°C, >45°C Derating	-40 to +65°C, >45°C Derating	-40 to +65°C, >45°C Derating	-40 to +65°C, >45°C Derating
Ingress Protection(IP) Rating	IP 67	IP 67	IP 67	IP 67
Over Voltage Category	OVC II(DC), OVC III(AC)	OVC II(DC), OVC III(AC)	OVC II(DC), OVC III(AC)	OVC II(DC), OVC III(AC)
Communication	Wi-Fi	Wi-Fi	Wi-Fi	Wi-Fi
Weight(kg)	1.85	3	3	4.95
Warranty	15 Years	15 Years	15 Years	10 Years
Type of Cooling	Natural Cooling	Natural Cooling	Natural Cooling	Natural Cooling

# Deye Cloud All-in-one Energy & Device Management Platform

- Unlock Significant Savings
- Individual Add-On for Dynamic Tariff
- Future Topics Oriented: EV Charger, Heat Pump etc.
- Tailored Solution to Deye Devices

**All in One**

Smarter home energy and device management

**Cloud-edge Collaboration**

Faster and more efficient data processing

**Accelerated Connectivity**

Optimized for speed and performance

**Advanced Smart Energy**

A smarter way to manage your electricity bills

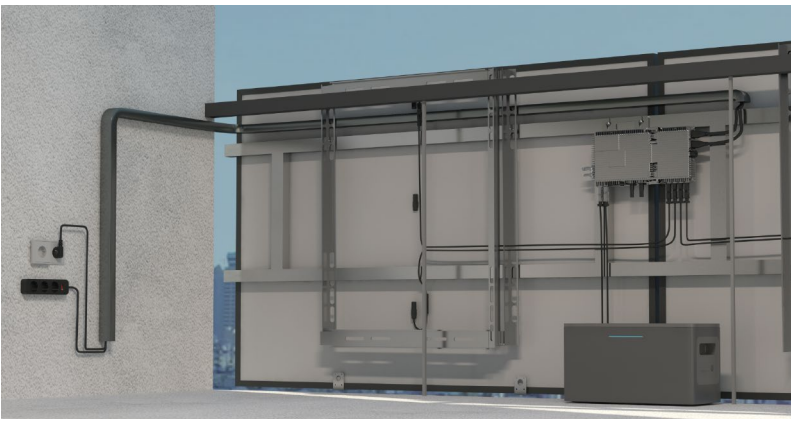
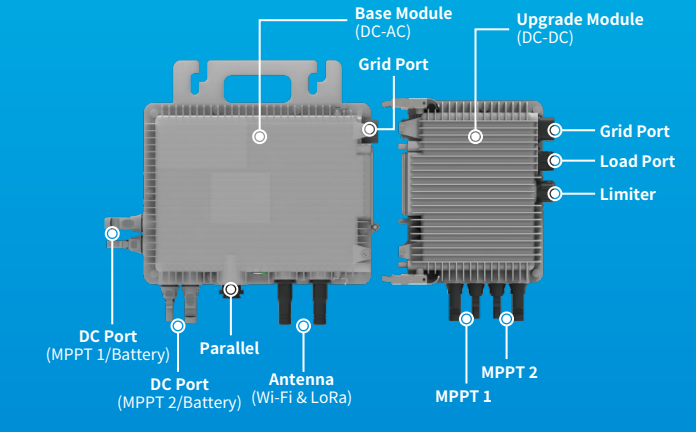
## Smarten Up Your Home Energy

Download Deye Cloud APP to join us! Embrace a seamless, effortless energy experience that's both ecofriendly and budget-friendly with our intelligent assistant.



**NEW**

## Micro Hybrid Inverter SUN-BK60/80/100SG01-EU-AM2



- Support on-grid, off-grid, and AC coupling modes.
- Selectable power outputs: **600W, 800W, or 1000W.**
- Max grid bypass current: **10A.**
- Innovative split design; base module available as standard micro-inverter.
- Two independent MPPTs, compatible with **18A** PV modules (max PV input power: **1600W**).
- Supports battery connection via an added DC-DC module, enabling energy storage capabilities.
- 4ms** on-grid/off-grid switching.
- Wi-Fi enabled for cloud monitoring and management.
- Supports **LoRa**-based wireless CT and smart plug for efficient energy management.

# Deye Ningbo Deye Inverter Technology Co., Ltd.

Address: No. 26 South YongJiang Road, Daqi, Beilun, NingBo, Zhejiang, China.  
Tel: +86 (0)574 86228841 | Fax: +86 (0)574 86228852



\*Specifications are subject to change without notice. \*\*For complete details, consult the product brochure or visit our official website.



# Pioneering Sustainable Energy Solution

String Inverter | Hybrid Inverter | MicroInverter

# Company Profile

Ningbo Deye Inverter Technology Co., Ltd, founded in 2007 with registered capital 56 million USD, is one of the China's high-tech enterprises and a subsidiary of Deye Group. With a plant area over 600,000m<sup>2</sup> and complete production and testing equipment, Deye has become a major player in the global solar inverter market.

Ningbo Deye Inverter Technology Co., Ltd is dedicated to providing complete photovoltaic power system solutions, including residential and commercial power plants solutions. Also, Deye offers solar energy storage system solutions. Among them, PV grid-connected inverter power range from 1-136kW, Hybrid inverter 3kW-80kW, and microinverter 300W-2200W.

As a technology-oriented company, Deye has always been committing to research and develop new cutting-edge technologies to provide efficiency and reliable products. For example, Deye adopts T-type three-level topology and enhanced SVPWM algorithm to further improve the conversion efficiency by 0.7% compared with common SPWM. With frequency droop control technology, Deye string inverter is able to work with diesel generator, which greatly expands the scope of the product application.

**2007**

Founded in 2007 with registered capital of **56 million USD.**

**2017**

Deye has launched first generation hybrid inverter and attracted a lot of attention with many unique features such as V/f droop control technology and battery DC / DC topology etc...

**2019**

By the end of 2019, with total ship-ments 30,000+, Deye hybrid inverter has become Top 3 in South Africa, Pakistan and **Top 1** Chinese brand in USA.

**2021**

Deye Group was successfully listed on SSE of China in 2021, **Stock Code 605117.SH.**

**2022**

Launched the latest generation of 50kW hybrid inverter, equipped with independent two-way battery terminal port.

**2023**

Cumulative shipments of hybrid inverters surpass **1 million units.**

**2024**

Launch of the next-generation hybrid inverters and microinverters with a fresh design.



