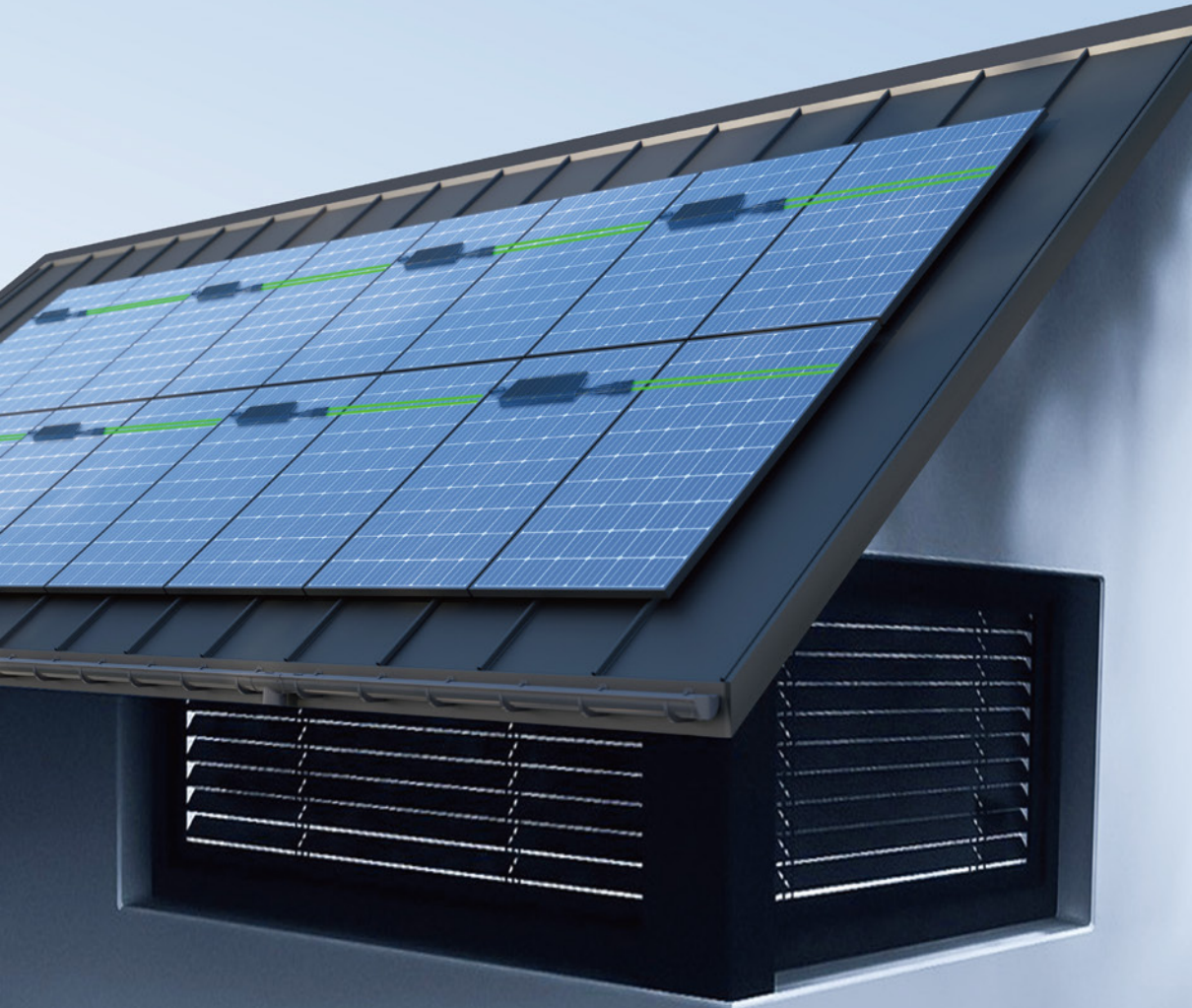




RESIDENTIAL MICRO-INVERTER SOLUTION



ABOUT US



20+年 Experience in power supply R&D and production

CN POWER(GUANGDONG)CO.,LTD. is a wholly-owned subsidiary of SHENZHEN ZHIJIANENG AUTOMATION CO.,LTD. The company specializes in the photovoltaic energy industry and is committed to the intelligent design, research and development, production, and sales of micro inverters.

CN POWER focuses on customer needs and interests, continuously refining its products and developing micro inverters that better meet market demands. At the same time, it has also developed the CN Cloud intelligent management cloud platform. At present, the company has established cooperation with many leading enterprises in the industry and has gained unanimous recognition within the industry.

RESEARCH AND DEVELOPMENT TEAMS OF TOP 500 ENTERPRISES

Equipped with the original Emerson power supply R&D team, consisting of over 30 R&D personnel with an average industry experience of 10 years, we are committed to safeguarding your balcony photovoltaic storage



Balcony light storage system

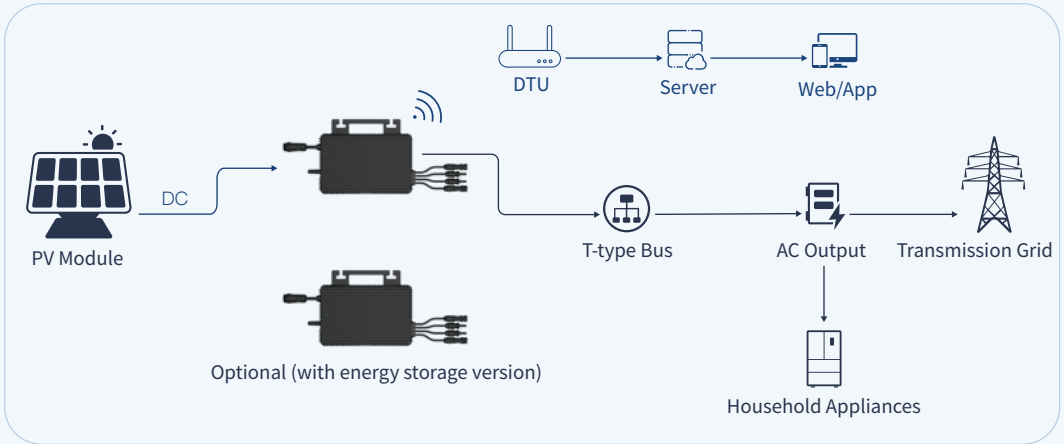
GLOBAL AUTHORITATIVE CERTIFICATION

Awarded multiple authoritative certifications such as CE, EMC, VDE 4105, EN 50549, ensuring that every indicator of the product meets international standards



RESIDENTIAL MICRO INVERTER SOLUTION

CN POWER Photovoltaic Micro Inverter Solution is a safer and more efficient clean energy solution designed for the household photovoltaic storage market, integrating power electronics technology and electro-chemical technology. It has the advantages of full scenario application, safety and reliability, high revenue, and intelligent operation and maintenance.



FULL SCENARIO APPLICATIONS

Small body design, can flexibly cover multiple scenes such as courtyards, roofs, balconies, etc

Balcony DIY



Household Use



Commercial & Industrial



HIGH YIELD

Ultra-high Power Generation Efficiency, Hours, Return On Investment (RO)

GaN Technology to provide perfect compatibility with high power components

GaN Technology

Conversion rate of 96.7% to improve power generation

Conversion Rate of 96.7%

Long-term Full Load Output at 60°C, No Load Drop at High Temperatures

60°C Output

Module level MPPT input, compatible with multiple components

MPPT Module

SAFE AND RELIABLE

No DC arc and fire hazard, more assured home use



IP67 Safety Protection



DC Voltage < 60V



Service Life up to 25 Years



Rapid Shutdown Function (RSD)

INTELLIGENT OPERATION AND MAINTENANCE

Instant plug-and-play, fast platform response, easy installation for "freshman" users

Modular Design, Plug-and-Play

Energy Intelligence Management Platform

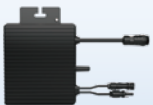
Remote Real-time Monitoring

Bluetooth quick connection device

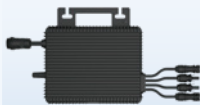


PRODUCT SERIES

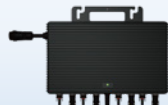
The solution can be customized according to the customer's requirements.



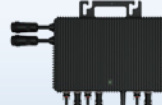
PVA-(300/400/500)
T1A-M1



PVA-(600/800/1000)
T1A-M1



PVA-(1200/1600/2000)
T1A-M1



PVC-(800)T1A-M1



Data collector DTU

ON-GRID MICROINVERTER PRODUCT SERIES

		One-driven-One Micro-inverter PVA-(300/400/500)T1A-M1	One-driven-Two Micro-inverter PVA-(600/800/1000)T1A-M1	One-driven-Four Micro-inverter PVA-(1200/1600/2000)T1A-M1
PV INPUT SIDE	PV Module Power(W)		240 to 600+	
	PV Input Voltage Range(V)		16-60	
	Maximum PV Input Current(A)	16/18/18	2×16 / 2×18 / 2×18	
	No. of MPPT	1	2	
	Efficiency of MPPT		99.80%	
AC OUTPUT SIDE	AC Rated Power(VA)	300/400/500	600/800/1000	
	AC Rated Voltage(V)		230	
	Rated Grid Frequency(HZ)		50/60	
	Power Factor		>0.99	
	Peak Inverter Efficiency		96.50%	
	Total Harmonic Distortion		<3%	
OTHERS	Size (W · H · Dmm)	173*238*36	265*215*39	
	Weight (kg)	3.0	3.75	
	Cooling		Natural Cooling (Fanless)	
	Ambient Temperature		-45°C~+65°C	
	Protection Level		IP67 Protection Level	
	Communication Method		Sub-1G、RS-485、WiFi/BT	
	Topology(components)		High Frequency Isolation	

HYBRID MICROINVERTER PRODUCT SERIES

		One to Two Series Micro Reverse PVC-800T1A-M1	One to Four Series Micro Reverse PVC - (1600/2000) T1A-M1	
PV SIDE	PV Module Power(W)	240 to 600+		
	PV Input Voltage Range(V)	16-60		
	Maximum PV Input Current(A)	2×18	4×18	
	No. of MPPT	2	4	
	Efficiency of MPPT		99.80%	
AC SIDE	Rated Output Power for On/Off Grid (VA)	800	1600/2000	
	Rated AC Voltage for On/Off Grid (V)		230	
	Rated Grid Frequency/Range for On/Off Grid		50/60	
	Power Factor		>0.99	
	Peak Efficiency (On-grid/Off-grid)		96.50% / 94%	
	Total Harmonic Distortion (On-grid/Off-grid)		(@Rated Output)/<3%(@Linear Load)	
BATTERY SIDE	Battery Type	Lithium battery/lead-acid battery		
	Battery Voltage/Range(V)	48/40-55		
	Maximum Charge/Discharge Current(A)	20		
	Number of battery input channels	1		
OTHERS	Cooling	Natural Cooling(Fanless)		
	Ambient Temperature	-45°C~+65°C		
	Protection Level	IP67 Protection Level		
	Communication Method	Sub-1G、RS-485、WiFi/BT		
	Topology(components)	High Frequency Isolation/High Frequency Isolation		

Focusing On OEM/ODM Customization Of Micro Inverters



Scan the code to follow

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