

F Series Micro - Inverters

VN1T/VN2T/VN4T

Less Weight. Less Bill.

300W-2000W Multiple Choices



IP67

Waterproof and Dustproof

MPPT

MPPT Tracker

15Years

15 Years Lifetime Design

APP

APP Monitoring

5m

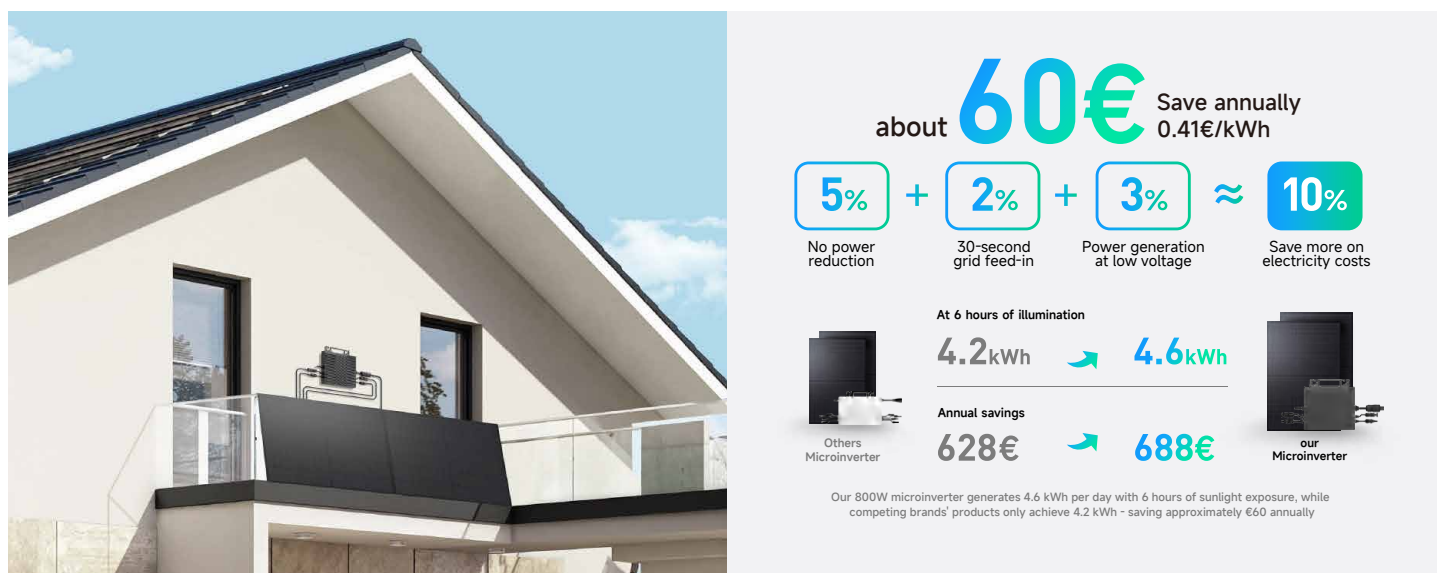
AC cable

10Years

10 Years Warranty

800W Micro-inverter

Product Innovations



about **5%** Save on electricity bills

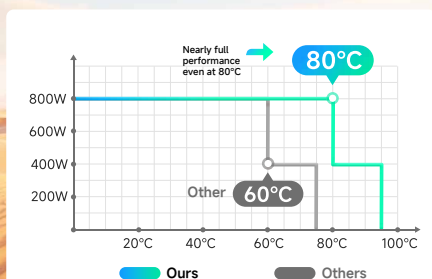


about **2%** Save on electricity bills

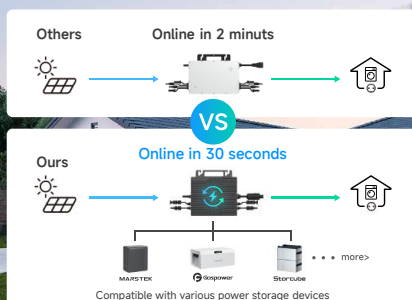


about **3%** Save on electricity bills

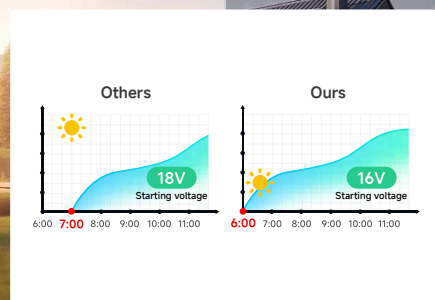
No derating under high temperature



Online in 30 seconds



Low-voltage startup



Product Highlights

App control

You can monitor your power production in real-time via the app

Double MPPT

Optimizes solar power generation under varying conditions

IP67

Waterproof up to 1 meter for 30 minutes

-40°C

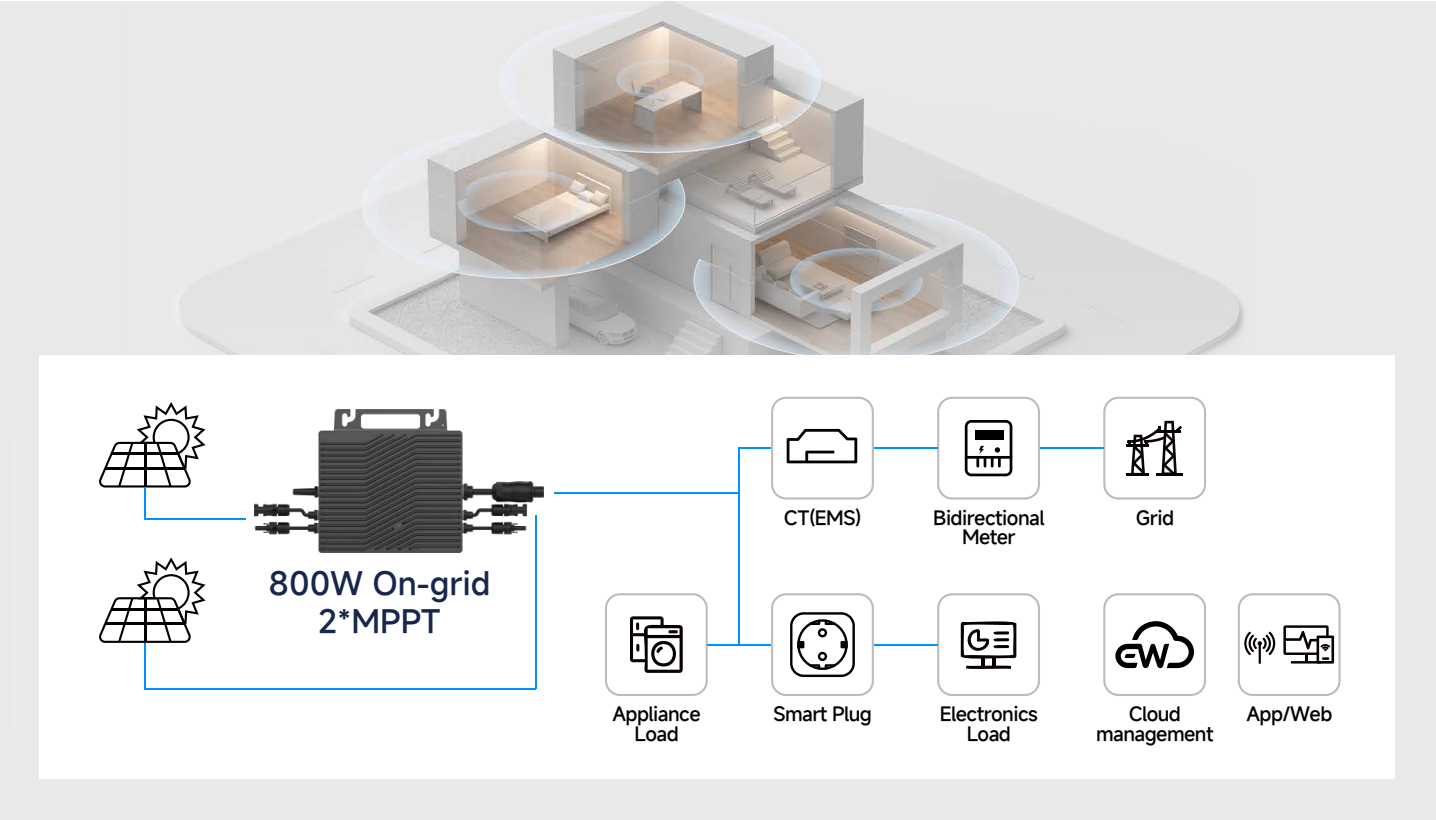
Maintains near-full performance even at -40°C to 80°C

+80°C

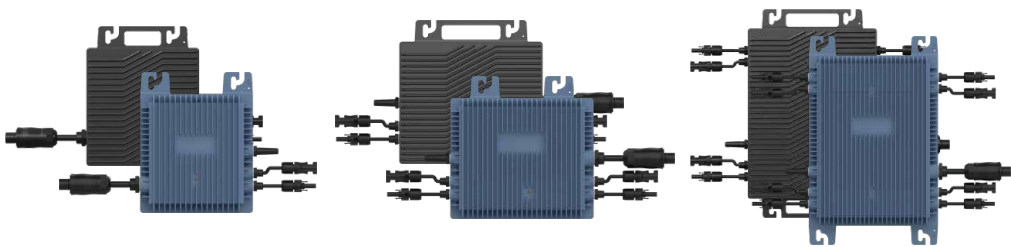
Even at 80°C nearly full performance

10 Years Warranty

Micro-inverters system Diagram



Microinverter Demo



Model	VN1T (300W/400W/500W)	VN2T (600W/800W/1000W)	VN4T (1200W/1600W/2000W)
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Inputs (DC)

Recommended Module Power [W]	(300~550)	(300~550)*2	(300~550)*4
Start up Voltage per Input [V]	18	18	18
Mppt Voltage Range per Input [V]	17.5~55	17.5~55	17.5~55
Max. Input Voltage per Input [V]	60	60	60
Max. Input Current per Input [A]	13.3	13.3	13.3
Max. Input Short-circuit Current per Input[A]	20	20	20

Outputs (AC)

Max. Continous Output Power [VA]	300/400/500	600/800/1000	1200/1600/2000
Nominal Continous Output Power [W]	300/400/500	600/800/1000	1200/1600/2000
Max. Output Current [A]	1.30/1.74/2.17 (230)	2.61/3.48/4.35 (230)	5.22/6.96/8.70 (230)
Nominal Output Voltage [V]	220/230/240, L/N/PE	220/230/240, L/N/PE	220/230/240, L/N/PE
Nominal Frequency [Hz]	50/60	50/60	50/60
Power Factor	>0.99 default, 0.9 leading ... 0.9 lagging		
Max. Units Per Branch	24/18/14	12/9/7	6/4/3

Efficiency

Peak Inverter Efficiency	95.60%	95.60%	95.60%
Nominal Mppt Efficiency	99.90%	99.90%	99.90%
Night Time Power Consumption [mW]	<50	<50	<50

Mechanical Information

Dimensions (W×H×D mm)	227 x 183 x 42	233 x 232 x 42	380 x 232 x 42
Protection Grade	IP67	IP67	IP67

Compliance

Grid Connection Standards	VDE 4105; VDE 0124; EN50549
Regulatory	IEC/EN 62109-1/2
EMC	EN 61000-6-1/-3
Cybersecurity	EN 18031-1:2024; EN 18031-2:2024