

# Micro-inverters 300W/400W



300W-VN1T03  
400W-VN1T04

EWAY VN1T03/VN1T04 is a high-efficiency micro-inverter that can be connected to a single solar panel.

They are usually installed on the roof, under the panels. The portable micro-inverter is only 1.8kg and is easy to install. It can also be combined with other EWAY micro-inverters, for optimal flexibility of your PV installation.

Highlights:

- DC input 14A, AC output 400W
- Individual optimization, separate dedicated MPPT for each panel.
- New topology design with EU efficiency up to 95.3%.
- Suitable for EWAY-ESK series AC module solution.
- Plug and Play installation, Easy to install.
- Max. DC voltage 60V. No threat for high DC voltage.
- Integrated LoM protection function. Ensure the safety of power grid.
- Die casting design and glue filling technology. Better thermal dissipation.
- Guaranteed quality with standard 12 years warranty.

## Input Date (DC)

Recommended Module Power [W]	300 ~ 550
Start up Voltage per Input [V]	18
Mppt Voltage Range per Input [V]	16 ~ 60
Max. Input Voltage per Input [V]	60
Max. Input Current per Input [A]	14
Max. Input Short-circuit Current per Input [A]	22

## Output Date (DC)

Max. Continuous Output Power [VA]	400
Nominal Continuous Output Power [W]	400
Nominal Output Current [A]	1.74
Max. Output Current [A]	2.48
Nominal Output Voltage [V]	220/230/240, L/N/PE
Nominal Frequency [Hz]	50/60
Power Factor	>0.99 default, 0.8 leading ... 0.8 lagging
Output Current Harmonic Distortion	<3%
Max. Units Per Branch	9

## Efficiency

CEC Weighted Efficiency	95.50%
EU Efficiency	95.30%
Mppt	99.90%
Night Time Power Consumption [mW]	<50

## Mechanical Date

Dimensions (W*H*D mm)	184*182*42
Weight [kg]	1.5