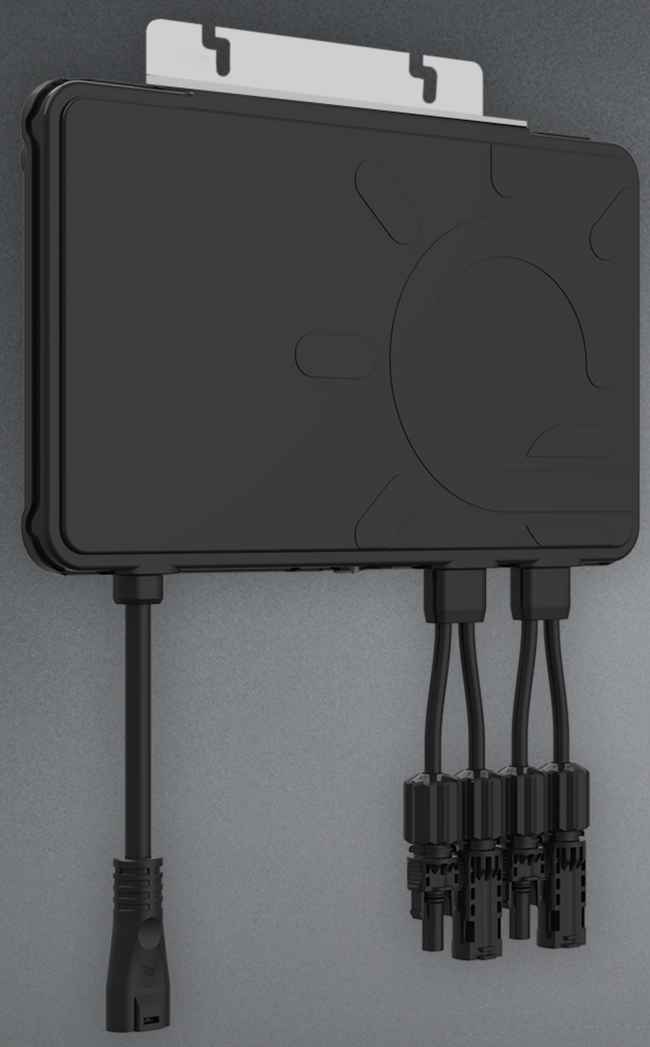
# EQ Microinverter 2 in 1



OneHo 15 Year Warranty

OneHo IP67 Ingress protection

## INTRODUCTION

The EQ-1000-P features two independent MPPT channels and PLC communication to track the maximum power point of each photovoltaic module. When one module is shaded, the other module continues to generate power at the maximum power point, thereby increasing the overall power generation. Additionally, its lightweight design and intelligent monitoring capabilities make the photovoltaic system operate more stably and efficiently.

### • Rapid Deployment, Intelligent Control

Setup in 3 min
Bluetooth Quick Connection
Real-Time Monitoring via Mobile App

### • Maximum Efficiency, Superior Performance

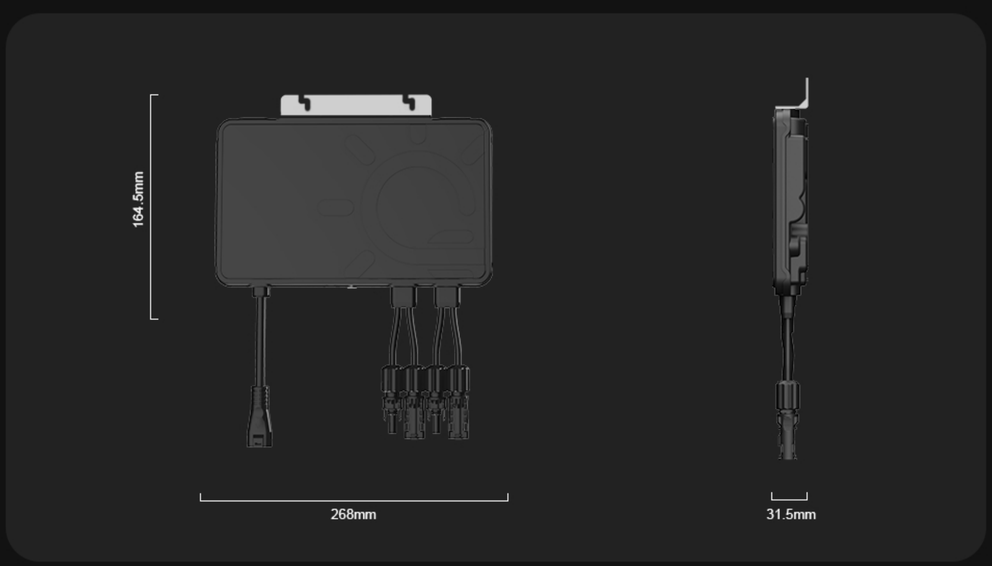
Peak Efficiency 97.5%
More Power in Low Light (+3h/day)
MPPT Efficiency 99.80%

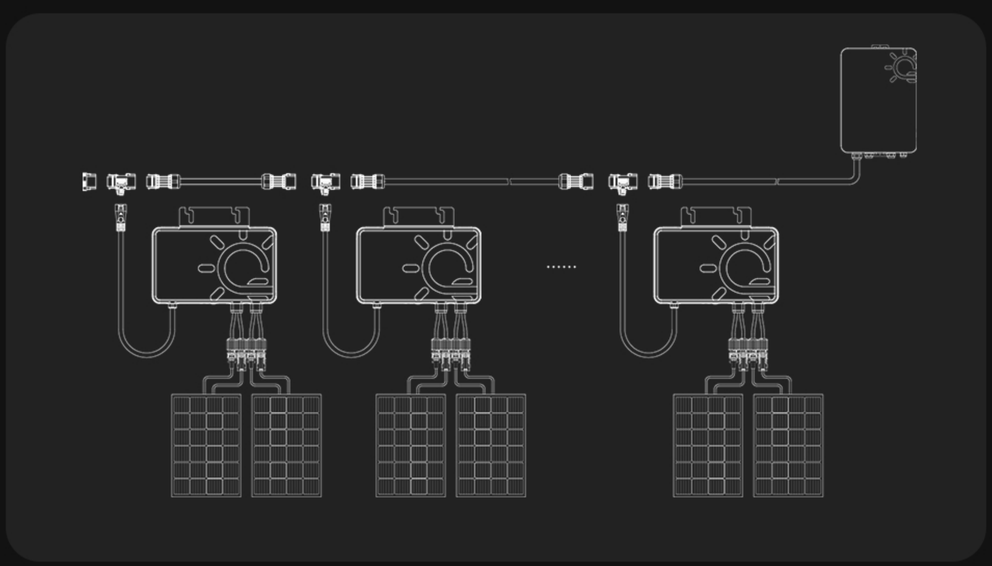
### • Secure Design, Trusted Reliability

DC Voltage ≤ 60V
IP67 Protection Rating
15-Year Warranty

### • High Density, Lightweight Build

Compact Design
30% Smaller than Industry Average
Lightweight Build, Only 2.85kg
30% Lighter than Industry Average



| Model | Unit | EQ-1000-P |
|---|---|---|
| **Input (DC)** | | |
| PV module compatibility | W | (400-700)*2 |
| Maximum input voltage | V | 60 |
| Minimum starting voltage | V | 22 |
| Operating voltage range | V | 12~60 |
| MPPT voltage range | V | 16~58 |
| Maximum continuous input DC current | A | 20×2 |
| Maximum input DC short circuit current | A | 25×2 |
| MPPT quantity | / | 2 |
| Overvoltage class of DC port | / | II |
| **Output (AC)** | | |
| Peak output power | VA | 1000 |
| Rated output apparent power | VA | 1000 |
| Rated output voltage/range | V | 230/184~276 |
| Rated output current | A | 4.55 |
| Rated frequency | Hz | 50 |
| Extended frequency range | Hz | ±5 |
| Default power factor | / | > 0.99 |
| Power factor (adjustable) | / | 0.8 leading…0.8 lagging |
| Total harmonic distortion (THD) | / | < 3% |
| **Efficiency parameter** | | |
| Peak efficiency | / | 97.5% |
| European efficiency | / | 96.8% |
| MPPT efficiency | / | 99.8% |
| **General parameters** | | |
| Ambient temperature | ℃ | -40~+65 |
| Storage temperature | ℃ | -40~+85 |
| Relative humidity range | RH | 0%~100% |
| DC interface type | / | MC4 |
| Dimensions (width × height × depth) (excluding Mounting plate) | mm | 268×164.5×31.5 |
| Net weight (excluding Mounting plate) | Kg | 2.85 |
| Enclosure protection class | / | IP67 |
| Cooling method | / | Natural heat dissipation |
| Pollution class | / | Class 3 |
| Altitude | m | 4000 |
| **Others** | | |
| Communication mode | | PLC，Bluetooth |
| Isolation mode | | Transformer isolation |
| **Compliance** | | |
| Security | | IEC/EN 62109-1, IEC/EN 62109-2 |
| EMC | | IEC/EN 61000-6-1, IEC/EN 61000-6-3 |
| Certification (power grid compliance) | | EN 50549-1, VDE-AR-N 4105, DIN VDE V 0124-100, TOR typeA+R25 |
| **Warranty** | | |
| Limited warranty | | 15 years |