

# MICRO INVERTER FOR SOLAR

Micro Inverter Technology for Optimum Output & Enhanced Safety

Micro Inverter for Solar is 2:1 and 4:1 panel-to-microinverter module with maximum power point tracking algorithms (MPPT) that optimises solar charging per panel.



## Overview

**Micro Inverter** is mounted on each individual solar panel with the ability to achieve maximum power point tracking (MPPT) at the module level. This allows the overall output power to be maximised by optimising the output power of each module. It incorporates module-level monitoring and diagnostics for users to remotely access their systems digitally.

## Features

**Micro Inverter for Solar** provides the following features:

- **State-of-the-art efficiency with module level MPPT\***  
Independent MPPT implemented at panel/module level.  
The DC to AC conversion has less waste as the smart inverter design has peak efficiency => 96.5%.
- **PVMS System for Inverter Monitoring**  
It has a panel-level energy monitoring and analysis system, where comprehensive performance analyses and reports of individual solar panels as well as the group are displayed and recorded.
- **Easily Expandable & Simplified Intallation**  
Due to the inverters' modular design, a solar system can easily expand from a single panel to multiple panels independent of each other.
- **Eliminate any single point of failure**  
Multi-module micro inverters, have multiple independent connections; the output of each panel is tracked and converted individually, so if one panel stops working the smart inverter can still continue to convert energy from the other modules.
- **Enhanced Safety**  
Microinverters are smaller and mounted on the back of the solar panels where they convert the direct current (DC) to alternating current (AC) at the source operating at a lower voltage compared to string inverters, making microinverters a much safer option for both installers and homeowners.

\* MPPT – Maximum Power Point Tracking

## Technology Benefits

The main impacts of Smart Inverter For Solar are:

- **Multi-Module Solar Inverter Technology**  
The technology allows 2, 4 PV modules per each micro inverter. This lowers the actual all-in cost per installation, where the user pays for fewer solar inverters and fewer modules but they possess higher efficiency.
- **Complete toolkit for monitoring, managing and troubleshooting photovoltaic installation.**  
The cloud connectivity platform allows a visual display of energy production and usage data, in-depth analytics, and proactive alerts of component failure. This ensures maximum performance and control of the solar system, using real-time data.

## Applications

Residential and small commercial applications



### EVT 2000

- Max. Input Continuous Current (A) : 18A\*4
- Max. DC Input (V) : 60V
- Max Output Continuous Current (A) : 9.09A
- Peak Efficiency : 96.5%
- MPPT Efficiency : 99.9%
- Compliance : EN/IEC61000, EN/IEC 62109, EN/ IEC55014, CEI 0-21, PORTARIA No 140, DE 21 DE MARÇO DE 2022
- Weight : 6.5 kg
- Warranty : 15 years

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