

Smart Inverter For Solar

Smart Inverter for Mid-Scale Solar Development

Get the most from every panel.
Our Smart Micro-Inverter offers intelligent, module-level energy optimisation, delivering higher yield, greater reliability, and complete system insight.



Overview

The Smart Micro-Inverter is a cutting-edge solar solution designed for a cutting-edge solar solution to cater to the unique demands of our local market. This locally attuned innovation supports both 1:1 and 2:1 configurations, intelligently pairing with solar panels while leveraging advanced GaN and MOSFET technology to deliver enhanced module-level control.

Equipped with intelligent MPPT algorithms, each unit ensures optimised energy harvesting at the panel level. With real-time monitoring, diagnostics, and seamless integration, this inverter empowers users with greater visibility, smarter control, and optimised performance for peak energy output from every panel, every time.

Key Features

Engineered for Maximum Output, Flexibility, and Reliability

- **Precision Power with Module-Level MPPT**
Each panel has its own MPPT (Maximum Power Point Tracking), allowing it to work independently. This means better performance, especially in shaded or mixed-light conditions, delivering up to 95% conversion efficiency.
- **Smart Monitoring at Your Fingertips**
The built-in PVMS system lets you monitor energy production and performance down to each panel. View reports, track trends, and receive alerts in real time
- **Modular & Scalable Design**
Start with just one panel and grow as required. With its modular design, the system scales easily, requiring no major changes.
- **Built for Reliability**
No more single points of failure. If one panel goes down,

the rest keep running. Each panel operates independently, so energy flow stays steady and reliable.

Technology Benefits

The Smart Micro-Inverter redefines solar performance with advanced technology designed for efficiency, scalability, and ease of use.

- **Flexible Multi-Module Compatibility:** Power up to 2, 4, or 6 PV modules per smart inverter, reducing hardware requirements and installation costs. Fewer inverters, fewer modules, but higher energy output per system.
- **All-in-One Monitoring & Management Platform:** A built-in cloud-connected toolkit provides real-time visibility into the solar installation. From energy production and usage tracking to predictive maintenance alerts, the system ensures maximum uptime, smarter troubleshooting, and optimised performance—all from a single, intuitive dashboard.

Applications

- Residential
- Small Commercial Application

