

# ENPHASE ENERGY – M250 Solar Microinverter

Reverse Costing Analysis by System Plus Consulting

## *4th generation of Enphase Energy microinverter Increased power, efficiency, MPPT What is different inside from previous M215 ?*

The M250 Photovoltaic Inverter is the 4th Generation micro-inverter released by Enphase Energy. It produces 250 Watts peak AC output power with MPPT to optimize efficiency in difficult solar conditions.

In the M250, the DC circuit is isolated and insulated from ground, so no External Ground Electrode Conductor (GEC) is required. The M250 is fully filled with Resin to protect the components from the weather constraints and to improve the thermal dissipation.

Based on a complete teardown analysis, the report provides an estimation of the production cost of the M250 inverter, and a comparison with previous report on M215.

This reverse costing report contains:

- Detailed photos
- Material analysis
- Manufacturing process flow
- In-depth economical analysis
- Manufacturing cost breakdown
- Selling price estimation



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# ORDER FORM

Please process my order for ENPHASE ENERGY M250 Microinverter Reverse Costing Analysis

SP13146  Corporate license price: EUR 2 490\*

\*For price in dollars please use the day's exchange rate

\*All reports are delivered electronically in pdf format

\*For French customer, add 20% for VAT

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Return order by:

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MAIL: SYSTEM PLUS CONSULTING  
21 rue La Noue Bras de Fer  
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Contact:

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## BILLING CONTACT

First Name: .....  
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Our prices are subject to change. Please check our new releases and price changes on [www.systemplus.fr](http://www.systemplus.fr)

## ABOUT SYSTEM PLUS CONSULTING

System Plus Consulting is specialized in the **cost analysis** of electronics from **semiconductor devices** to **electronic systems**. Around this main line System Plus Consulting developed a complete range of services and costing tools to provide **in-depth production cost studies** and estimation of the **objective selling price** of the product.

### COSTING SERVICES

- ✓ **On demand Reverse Costing studies** are performed on ICs, ASICs, MEMS, Power Devices and Modules, LEDs, ECUs, electronic boards and full electronic systems
- ✓ **The catalog of available reports** includes cost analyzes on MEMS, Electronic components and Electronic systems (Telecom terminals, Power systems, Consumer products)

All these studies are performed using in-house developed costing tools and their technological databases.

### COSTING TOOLS

#### Software

- ✓ IC Price+ to calculate the cost of any integrated circuit
- ✓ Power Price+ to calculate the cost of any power component or module
- ✓ SYScost+, a costing tool for electronic boards and systems

#### Cost Simulation Tools

- ✓ Powerful flow builders including exhaustive databases to simulate a device processing cost
- ✓ Available now: MEMS CoSim+ • Power CoSim+ • LED CoSim+ • 3D Package CoSim+

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# TERMS AND CONDITIONS OF SALES

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System Plus Consulting remains sole owner of the delivered services until total payment of the invoice.

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## 7. ENTRUSTED GOODS SHIPMENT

The transport costs and risks are fully born by the Buyer. Should the customer wish to ensure the goods against lost or damage on the base of their real value, he must imperatively point it out to System Plus Consulting when the shipment takes place. Without any specific requirement, insurance terms for the return of goods will be the carrier current ones (reimbursement based on good weight instead of the real value).

## 8. FORCE MAJEURE

System Plus Consulting responsibility will not be involved in non execution or late delivery of one of its duties described in the current terms and conditions if these are the result of a force majeure case. Therefore, the force majeure includes all external event unpredictable and irresistible as defined by the article 1148 of the French Code Civil?

## 9. CONFIDENTIALITY

As a rule, all information handed by customers to system Plus Consulting are considered as strictly confidential.

A non-disclosure agreement can be signed on demand.

## 10. RESPONSABILITY LIMITATION

The Buyer is responsible for the use and interpretations he makes of the reports delivered by System Plus Consulting. Consequently, System Plus Consulting responsibility can in no case be called into question for any direct or indirect damage, financial or otherwise, that may result from the use of the results of our analysis or results obtained using one of our costing tools.

## 11. APPLICABLE LAW

Any dispute that may arise about the interpretation or execution of the current terms and conditions shall be resolved applying the French law.

If the dispute cannot be settled out-of-court, the competent Court will be the Tribunal de Commerce de Nantes.