

Intelligent Micro-module Manufacturing Plant in Indonesia



Overview

This significant investment represents a new phase in the alignment between China's Belt and Road Initiative and Indonesia's development goals. The new facility will focus on intelligent manufacturing, producing both domestic refrigeration appliances and smart cold chain. The Indonesia Semiconductor Market Report is Segmented by Device Type (Discrete Semiconductors, Optoelectronics, Sensors and MEMS, & Integrated Circuits), Business Model (IDM and Design/Fabless Vendor), & End-User Industry (Automotive, Communication, Consumer, Industrial, Computing/Data Storage). Indonesia, situated near the equator with abundant sunlight resources, has emerged as the largest solar energy market in Southeast Asia, propelled by government support for the photovoltaic (PV) industry. Recently, Gstar held the groundbreaking ceremony for its silicon ingot and wafer factory in. United States-headquartered module maker SEG Solar has struck a deal for the development and operation of a PV manufacturing facility on the Indonesian island of Java with a production capacity of 5 GW of silicon wafers, 5 GW of solar cells, and 5 GW of PV modules. If you're interested in the Manufacturing market, also check out the top Automation, Industrial IoT, 3D. On Thursday, June 19, local time, the Minister of Industry and the Governor of Central Java inaugurated PT Trina Mas Agra Indonesia's (TMAI) integrated solar cell and module factory in the Kendall Special Economic Zone in Central Java. It is reported that this is Indonesia's largest solar cell and. Jiexpo, Jakarta, October 30, 2025- Inspur today showcased its latest prefabricated modular data centre technologies at the Indonesia International Data Center & Cloud Computing Summit, underscoring the country's rising importance as a regional hub for digital infrastructure.

Article Content

Feb 18, 2026

Building a national solar PV manufacturing industry in Indonesia

That said, the government of Indonesia failed to exploit a window of opportunity to develop a domestic solar PV module-manufacturing industry in the early phases .

Dec 16, 2025

US module maker signs deal to build mega factory in

United States-headquartered module maker SEG Solar has struck a deal for the development and operation of a PV manufacturing facility on the

Oct 21, 2025

Trina's New Overseas Moves: Joining hands with Indonesian parties

On Thursday, June 19, local time, the Minister of Industry and the Governor of Central Java inaugurated PT Trina Mas Agra Indonesia's (TMAI) integrated solar cell and module factory in

Apr 19, 2026

First Modular Micro-LNG Plant in Indonesia | Galileo

PASURUAN, East Java, Indonesia - Indonesia has officially inaugurated its first modular micro-LNG plant, a landmark project developed by

Apr 14, 2026

19 Top Manufacturing Companies in Indonesia · May

Detailed info and reviews on 19 top Manufacturing companies and startups in Indonesia in 2026. Get the latest updates on their products, jobs,

Jan 27, 2026

Inspur Expands in Jakarta with Prefab Modular Data

Inspur introduced a suite of prefabricated modular cabins designed for rapid on-site assembly, along with an integrated air-liquid cooling station, an all-in

Sep 24, 2025

Indonesia Semiconductor Market Size, Share & 2025-30

By business model, the IDM segment accounted for 58.3% of the Indonesia semiconductor market size in 2024; design/fabless vendors are

Apr 04, 2026

Trina's New Overseas Moves: Joining hands with Indonesian parties

Trina's New Overseas Moves: Joining hands with Indonesian parties to build a 1GW solar cell and module manufacturing plant! published: 2025-06-23 16:06

Feb 18, 2026

Gstar Speeds Up Indonesian Silicon Wafer Plant Setup with

The plant's emphasis on digital and intelligent manufacturing will focus on producing monocrystalline silicon rods and large-size silicon wafers, such as 182mm and 210mm formats.

May 18, 2026

Intelligent power modules (IPM) | Infineon Technologies

We provide a comprehensive portfolio of Intelligent Power Modules (IPMs) covering a wide range of semiconductor technologies, package types, and voltage/current

Jun 05, 2026

Top Semiconductor Manufacturing Companies in Indonesia

Identify and compare relevant B2B manufacturers, suppliers and retailers. Custom automation systems engineered end-to-end - from concept to commissioning - covering the entire production process

Jan 25, 2026

Industry Visit: Notes from a Local Solar Module Manufacturer in Indonesia

This visit was carried out to see opportunities for the development of the solar module industry supply chain and evaluate the impact of government policies in encouraging the acceleration

Sep 02, 2025

Indonesia Smart Manufacturing Market | Size & Volume 2031

Topics Covered in the Indonesia Smart Manufacturing Market Report The Indonesia Smart Manufacturing Market report comprehensively examines market segmentation by Information

Oct 10, 2025

SEG Solar plans 5 GW cell, 3 GW module production

United States-headquartered module maker SEG Solar has leased land in Indonesia where it will establish a 5 GW capacity solar cell and 3 GW

Nov 30, 2025

Indonesia's Bold Bid to Become a Semiconductor Hub

If Indonesia aims to become a player in the global semiconductor supply chain, it will enter a highly competitive landscape dominated by a number

Aug 01, 2025

Are microfactories the future for the manufacturing sector?

The inherent benefits of microfactories could prove to be a game changer for manufacturing, but could AI-powered microfactories really replace

Jun 01, 2026

Gstar's Strategic Move: Groundbreaking of Silicon Wafer Factory ...

Recently, Gstar held the groundbreaking ceremony for its silicon ingot and wafer factory in Jakarta, Indonesia, signaling the rapid commencement of construction for this modern facility.

Aug 06, 2025

Industry Visit: Notes from a Local Solar Module Manufacturer in Indonesia

The Institute for Essential Services Reform (IESR) visited solar module manufacturing companies in Indonesia in October 2024. This visit was carried out to see opportunities for the

Mar 22, 2026

How to power Indonesia's solar PV growth opportunities

Indonesia's government aims to ramp up its solar PV manufacturing industry significantly. This could help the country meet its domestic renewables"

Feb 08, 2026

Indonesia targets chip self-reliance with new industry

Chip design needs less upfront capital than fabrication, letting Indonesia build IP and train workers before it takes on multi-billion dollar

Oct 10, 2025

IMI | Global Manufacturing Solutions

Integrated Micro-Electronics, Inc. (IMI), the electronics manufacturing subsidiary of Ayala Corporation, is a leading global electronics manufacturing

Oct 22, 2025

PrimRoot: Energy & Solar Products Supply Chain Center

Hier sollte eine Beschreibung angezeigt werden, diese Seite lässt dies jedoch nicht zu.

May 29, 2026

Aucma breaks ground on intelligent manufacturing factory in Indonesia

The new facility will focus on intelligent manufacturing, producing both domestic refrigeration appliances and smart cold chain equipment. It will utilize advanced technologies,

Aug 07, 2025

SEG Solar commissions 2GW cell manufacturing plant

Image: SEG Solar. US cell and module manufacturer SEG Solar has commissioned the first phase of its newest cell manufacturing plant, in Indonesia,

May 15, 2026

Indonesia's Outlook in the Electronic Manufacturing Sector

Explore the dynamic landscape of Indonesia's electronic manufacturing industry and gain insights into its promising outlook.

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