



TECHNOLOGY, MEDIA & TELECOM INTELLIGENCE SERVICE

## Power Semiconductor

Comprehensive analysis of the entire power semiconductor market landscape

Real time access to a continuous flow of research across geographies, topics and application areas:

### Analyst Insights

Frequent analyst commentary on product launches, market news and analysis.

### Market Trackers

Historic and forecasted, delivered in Excel, accompanied by written analysis.

### Annual Reports

The industry standard annual report on the global power semiconductor market

### Analyst Access

For prompt responses to urgent and unique questions.

### FEATURED TOPICS

- Growth opportunities and market drivers
- Power ICs, discretes and power modules
- Emerging technology: SiC and GaN power semiconductors
- Power semiconductors in automotive

### Clients of this Intelligence Service will receive:

**Power Semiconductor Market Share Database** – a competitive analysis of >80 suppliers including market share by device type; delivered semi-annually

**Power Discrete & Module Market Tracker** – offers data covering each of the power semiconductor categories including revenue, average prices, shipment volumes, applications, and regions; delivered semi-annually

**Power IC Market Tracker** – in-depth market trend, growth drivers, and emerging technology analysis with annual forecasts provided for all types of power ICs; delivered semi-annually

**Detailed topical examination of emerging markets and technologies** – forecast and analysis of the strategic, technological and competitive landscape influencing market growth and development for areas such as:

- Silicon Carbide & Gallium Nitride (SiC & GaN) power semiconductors
- Power semiconductors in automotive
- Other topics TBD

## Research Coverage

### Semiconductor Categories

#### Power ICs\*

AC-DC switching regulators  
 DC-DC switching regulators  
 Isolated switching controllers  
 Non-isolated switching controllers  
 Low drop out regulators (LDOs)  
 Traditional linear regulators  
 Voltage reference ICs  
 Supply voltage supervisors  
 Gate Driver ICs  
 Hot swap controllers motor and solenoid driver ICs  
 USB switches and power delivery ICs  
 Battery management ICs  
 Integrated power stages  
 Intelligent power switches  
 PFC controller ICs  
 Power management ICs (PMICs)  
 Power over ethernet (PoE) controllers  
 Squib driver ICs  
 System basis chips  
 Other power ICs

#### Discretes and Modules

Bipolar power transistors  
 Standard MOSFETs, including SiC & GaN  
 Protected MOSFETs  
 Discrete IGBT  
 Pressure contact IGBTs  
 Rectifier diodes (low, medium and high power)  
 Alternator diodes  
 Thyristors (low, medium and high power)  
 GTOs, GCTs & IGCTs  
 MOSFET modules  
 MOSFET-IPM modules  
 Thyristor/diode modules & rectifier bridges  
 Standard (non-integrated) IGBT modules  
 Power integrated modules (PIM)/CIB  
 IGBT-IPM modules

*\*Some devices only available in annual topical report*

### Applications

#### Power ICs

Automotive  
 Consumer electronics  
 Data processing  
 (computing, servers and office  
 equipment)  
 Industrial  
 Wired communications  
 Wireless communications

#### Discretes

Automotive  
 Consumer electronics  
 Data processing  
 Industrial  
 Medical  
 Lighting  
 Renewable energy  
 Transport (traction)  
 Wired communications  
 Wireless communications

#### Power Modules

Car and light trucks  
 Consumer electronics  
 Grid infrastructure  
 Industrial motor drives  
 Induction heating and welding  
 Other battery-powered vehicle systems  
 Power supplies  
 Solar energy  
 Wind (and other renewable energy)  
 Traction  
 Other applications

### Other Data Splits

Discretes and modules by country  
 Low power rectifiers by type  
 Low power rectifiers by package  
 Schottky diodes by material  
 MOSFETs by voltage  
 MOSFETs by material

MOSFETs by Package  
 Bipolar power transistors by  
 voltage  
 Discrete IGBTs by voltage  
 Discrete IGBTs by package  
 Power modules by voltage  
 IGBT modules by current

### Regions

Americas  
 EMEA  
 Japan  
 China  
 Rest of Asia

For more information [ihsmarkit.com/technology](https://www.ihsmarkit.com/technology)

#### WORLDWIDE

T +1 844 301 7334

E [technology\\_us@ihsmarkit.com](mailto:technology_us@ihsmarkit.com)  
[technology\\_apac@ihsmarkit.com](mailto:technology_apac@ihsmarkit.com)  
[technology\\_emea@ihsmarkit.com](mailto:technology_emea@ihsmarkit.com)

#### About IHS Markit

IHS Markit (Nasdaq: INFO) is a world leader in critical information, analytics and solutions for the major industries and markets that drive economies worldwide. The company delivers next-generation information, analytics and solutions to customers in business, finance and government, improving their operational efficiency and providing deep insights that lead to well-informed, confident decisions. IHS Markit has more than 50,000 key business and government customers, including 85 percent of the Fortune Global 500 and the world's leading financial institutions. Headquartered in London, IHS Markit is committed to sustainable, profitable growth.