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.

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

**FEATURED TOPICS**

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

#### Semiconductor Categories

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<thead>
<tr>
<th>Power ICs*</th>
<th>Discretes and Modules</th>
</tr>
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<tbody>
<tr>
<td>AC-DC switching regulators</td>
<td>Bipolar power transistors</td>
</tr>
<tr>
<td>DC-DC switching regulators</td>
<td>Standard MOSFETs, including SiC &amp; GaN</td>
</tr>
<tr>
<td>Isolated switching controllers</td>
<td>Protected MOSFETs</td>
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<tr>
<td>Non-isolated switching controllers</td>
<td>Discrete IGBT</td>
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<tr>
<td>Low drop out regulators (LDNs)</td>
<td>Pressure contact IGBTs</td>
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<tr>
<td>Traditional linear regulators</td>
<td>Rectifier diodes (low, medium and high power)</td>
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<tr>
<td>Voltage reference ICs</td>
<td>Alternator diodes</td>
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<tr>
<td>Supply voltage supervisors</td>
<td>Thyristors (low, medium and high power)</td>
</tr>
<tr>
<td>Gate Driver ICs</td>
<td>GTOs, GCTs &amp; IGCTs</td>
</tr>
<tr>
<td>Hot swap controllers motor and solenoid driver ICs</td>
<td>MOSFET modules</td>
</tr>
<tr>
<td>USB switches and power delivery ICs</td>
<td>MOSFET-IPM modules</td>
</tr>
<tr>
<td>Battery management ICs</td>
<td>Thyristor/diode modules &amp; rectifier bridges</td>
</tr>
<tr>
<td>Integrated power stages</td>
<td>Standard (non-integrated) IGBT modules</td>
</tr>
<tr>
<td>Intelligent power switches</td>
<td>Power integrated modules (PIM)/CIB</td>
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<tr>
<td>PFC controller ICs</td>
<td>IGBT-IPM modules</td>
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<tr>
<td>Power management ICs (PMICs)</td>
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<td>Power over ethernet (PoE) controllers</td>
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<tr>
<td>Squib driver ICs</td>
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<tr>
<td>System basis chips</td>
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<td>Other power ICs</td>
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#### Discretes and Modules

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<tr>
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<td>Automotive</td>
<td>Car and light trucks</td>
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<tr>
<td>Consumer electronics</td>
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<tr>
<td>Data processing</td>
<td>Grid infrastructure</td>
</tr>
<tr>
<td>(computing, servers and office equipment)</td>
<td>Industrial motor drives</td>
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<tr>
<td>Industrial</td>
<td>Induction heating and welding</td>
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<tr>
<td>Wired communications</td>
<td>Other battery-powered vehicle systems</td>
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<tr>
<td>Wireless communications</td>
<td>Power supplies</td>
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<tr>
<td></td>
<td>Solar energy</td>
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<td></td>
<td>Wind (and other renewable energy)</td>
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<td></td>
<td>Traction</td>
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<td>Other applications</td>
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#### Applications

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<td>Medical</td>
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<td>Other battery-powered vehicle systems</td>
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<td>Wireless communications</td>
<td>Renewable energy</td>
<td>Power supplies</td>
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<td></td>
<td>Transport (traction)</td>
<td>Solar energy</td>
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#### Other Data Splits

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<td>MOSFETs by voltage</td>
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<tr>
<td>MOSFETs by material</td>
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#### Regions

- Americas
- EMEA
- Japan
- China
- Rest of Asia

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