

The Avago Advantage



Applications Solutions

Avago Technologies Solutions for **Alternative Power Generation**



Your Imagination, Our Innovation
Sense • Illuminate • Connect

Avago Technologies Solutions for **Alternative Power Generation**

Avago Technologies offers a wide range of fiber optic transmitters, receivers, and transceivers, and IGBT/Power MOSFET gate drivers, isolation amplifier products, and motor position encoders for wind turbine, wind farm and solar electric power inverter and power generation applications.



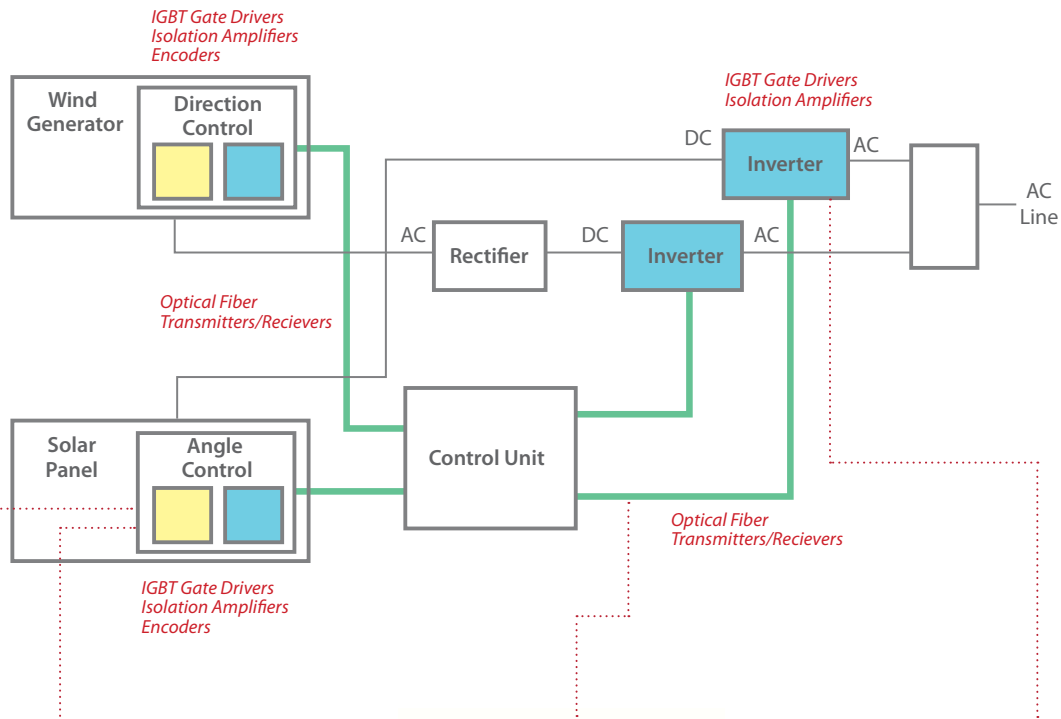
Optical Encoders

Avago offers a broad range of optical encoders including absolute, incremental and magnetic versions featuring

- Single and multi-turn versions
- A variety of resolutions
- Transmissive and reflective versions

Featured Products

- Absolute optical encoders
- Multiturn absolute optical encoder
- Programmable absolute and incremental magnetic encoder
- Incremental optical encoders
- Customize housed incremental and absolute encoder



IGBT Gate Drivers

Avago gate drive optocouplers provide isolated high current gate driver for IGBTs and MOSFETs. These gate drive optocouplers come in wide range of output current from 0.4A to 5A, and selected parts with integrated features such as Active Miller Clamp, under voltage lockout, fault status feedback and de-saturation detection.

Featured Products

- Rail-to-Rail, High Speed, High Output Current (up to 4A) Gate Drivers
- Fault status feedback, automatic fault reset Isolated Gate Driver

Optical Fiber Transmitters/Receivers

Avago industrial fiber transmitter/receivers are designed to operate reliably for data transmission over fiber in applications where the highest electrical isolation between the transmitter and receiver sides is needed. Due to the insensitivity of the fiber to electromagnetic radiation, they are suitable for use in EMI-polluted surroundings.

Featured Products

- Plastic Optical Fiber Transmitters & Receivers (Distances to 100m)
- Glass Optical Fiber Transmitters & Receivers (Distances to 5000m)
- 125 MBd industrial fast Ethernet transceiver over plastic optical fiber, ext temp (-25 to 85°C)
- SFP Transceiver for Fast Ethernet with DMI and SONET OC-3
- 650nm Transceiver for Fast Ethernet of POF
- Fiber Optics Link for DC to 10Mbaud
- Versatile Fiber Optics Link for DC to 50Mbaud

Isolation Amplifiers

Avago isolation amplifier optocouplers provide high precision, stability, and common mode rejection for current and voltage sensing applications without compromising high noise or magnetic field immunity.

Featured Products

- Miniature Isolation Amplifiers
- Optically Isolated Sigma-Delta Modulator with Digital Output
- Precision Optically Isolated Voltage Sensor



Your Imagination. Our Innovation



Avago Technologies is a leading designer, developer and global supplier of a broad range of analog, mixed signal and optoelectronics components and subsystems with a focus in III-V compound semiconductor design and processing. Backed by an extensive portfolio of intellectual property, Avago products serve three primary target markets: wireless communications, wired infrastructure, and industrial and other. Avago has a global employee presence and heritage of technical innovation dating back 50 years to its Hewlett-Packard roots.

Avago products serve three diverse end markets

Wireless Communications serving the smartphone/handset and Base Station infrastructure markets with leading-edge products that include:

- Power Amplifiers
- Front End Modules
- Film Bulk Acoustic Resonator (FBAR) Filters
- GPS/GLONASS LNAs
- Optical Finger Navigation
- LED Backlighting, Screen Illumination
- Ambient Light and Proximity Sensors

Wired Infrastructure for switches/routers, data centers, supercomputers and storage/servers with products that include:

- 168Gb Parallel Optic Arrays
- 28Gb SerDes ASICs in 28nm
- Storage Fibre Channel Transceivers
- QSFP+/SFP+ Ethernet Transceivers

Industrial and Other for alternative energy power generation, electronic sign and signals, automated manufacturing, automotive lighting, GPS/GLONASS navigation, motor inverter system, battery charging and management, infotainment systems and vehicle safety systems with products that include:

- Inverters
- Isolation and Digital Optocouplers
- Motion Control Optical & Magnetic Encoders
- Polymer Optical Fiber
- Indicator and Display LEDs



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