Line Card

GD RECTIFIERS
The Custom Power Specialist

About Us

GD Rectifiers is a global manufacturer and distributor of products, services and solutions to commercial and industrial users of power electronic components.

Established in 1964, GD Rectifiers has over 50 years of extensive experience across a large range of markets, specialising in new and current technologies for industrial power control applications. An extensive product offering has built GD Rectifiers' exceptional reputation as the go-to power specialist with innovative experience across: aviation, automotive, rail, medical, industrial, and electronics markets. The company has a RISQ accreditation enabling them to supply products and services to the GB rail industry.

GD Rectifiers are an ISO 9001:2015 registered company that design and develop bespoke power semiconductor assemblies to control voltage, current and frequency for international industrial markets.

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Our Manufacturers

Alongside our official distribution partners, we also have access to the following manufacturer product ranges.

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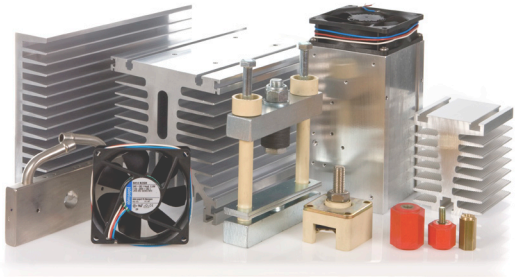
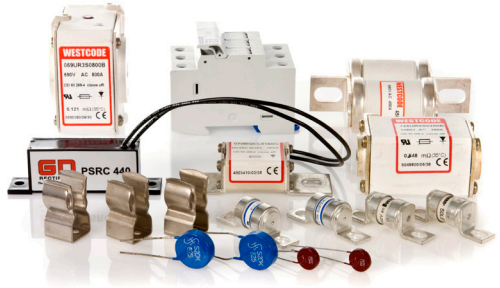
Products & Services





GD Rectifiers designs and manufactures selenium and silicon rectifiers, suppressors, converters, inverters, regulators and all other power products for Industrial power control applications. The company distributes state-of-the-art diodes, thyristors, IGBTs and MOSFETs from the world's leading manufacturers including: IXYS, IXYS UK Westcode, Semikron, and EDI.

GD Rectifiers manufacture an extensive range of power components and assemblies. The company supplies a wide range of heatsinks suitable for power semiconductors, LED lighting and similar applications. GD Rectifiers also offer a repair and replacement service for faulty or ageing semiconductor rectifiers, converters, inverters, and regulators.

The company also supply a comprehensive range of cooling products, including heat pipe systems, insulated water coolers and mechanical clamps for capsule semiconductors. GD Rectifiers is a distribution agent for AC and DC fixed voltage fans, and can supply 110V / 230V dual input voltage fans with a variety of sizes, catering for all requirements.

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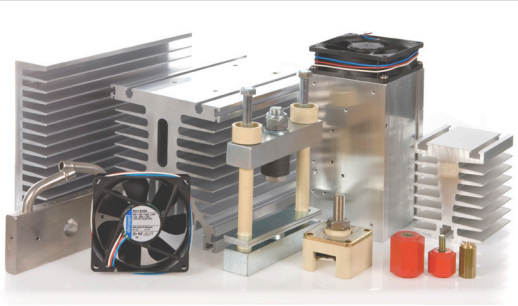
Certifications



GD Rectifiers is committed to ensuring the production and delivery of high-quality products.
We strive to provide our customers with products and services that exceed their expectations.

GD Rectifiers has the following industry certifications:

- **ISO 9001:2015** - the leading quality management standard for business-to-business companies
- **RISQ Qualified** - enabling us to supply products and services to the GB rail industry
- **BSI EN 60947-4-3:2014** - compliance in low-voltage switchgear and control gear, contactors and motor starters AC semiconductor controllers and contactors for non-motor loads
- **BSI EN 60146-1-1:2010** - compliance in semiconductor converters, general requirements and line commutated converters, specification of basic requirements

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Technical Support & Expert Advice

We work closely with engineers, buyers and procurement specialists to share our knowledge and aim to provide unbeatable technical support on every project, offering replacement part recommendations, cost effective sourcing solutions, obsolescence support and customised products and designs.

Providing technical support and account management when you need it. GD Rectifiers prides itself on it's outstanding end-to-end service by working directly with customers on the design process in order to connect them to the right technology, at the right time, at the right price.

We're excited to offer customers direct access to our technical and engineering teams, customers can liaise with the same representative from initial enquiry right the way through to delivery, saving you time and money on planning your projects.

Initial Enquiry → **Design & Prototyping Support** → **Competitive Pricing** → **Production & Delivery** → **After Sales Support**

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Dedicated Sales Team

GD Rectifiers have a dedicated technical sales team supplying a complete power electronic component solution to all power electronic market sectors.

GD Rectifiers is the UK's leading distributor for some of the world's largest power electronic component manufacturers. GD Rectifiers also offers complete custom heatsink and power assembly design and manufacturing capabilities, alongside a wide range of contract manufacturing services.

With it's technical and commercial expertise acquired over the past 50 years, GD Rectifiers offers the highest quality service whilst giving the most competitive engineered power component pricing and solution.

Sales Representatives

GD Rectifiers' central sales team are based in their Head Office in Burgess Hill, West Sussex, UK. They also have a regional sales team that travel across the UK to discuss client requirements and support customers worldwide through telephone and email. The sales team have over 100 years combined experience in design, manufacture and sales of power electronic components and custom power solutions.

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Markets & Applications

An extensive product offering has built GD Rectifiers exceptional reputation as the go-to custom power specialist with innovative experience across a wide range of applications, markets and industries.

GD Rectifiers utilises its dedicated team of engineers to help customers with voltage, current and frequency requirements, alongside thermal management and circuit protection design challenges.

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	GD RECTIFIERS	IXYS	IXYS UK WESTCODE	SEMIKRON innovation+service	SEMTECH	DYNEX	VISHAY	united automation	EICHHOFF	ABB		SIRIO Inductive Components	ENERDOOR	MERSEN	Littelfuse	POWERSEM	Fuji Electric	infineon	ATC	OCRAM POWER ELECTRONICS
Semiconductors																				
Diodes		✓	✓	✓	✓	✓	✓				✓					✓	✓	✓		
IGBTs		✓	✓	✓			✓										✓	✓		
MOSFETs		✓		✓			✓										✓			
TVS Diodes															✓					
SiC Power Devices		✓		✓						✓							✓	✓		
Fast Recovery Diode Modules			✓			✓														
High Voltage Diodes	✓																			✓
IGBT Modules		✓		✓		✓	✓										✓			
Diode Modules		✓					✓			✓										
MOSFET Modules		✓		✓			✓													
Thyristor Modules		✓	✓				✓											✓		
Thyristor/Diode Modules		✓	✓	✓						✓								✓		
Intelligent Power Modules				✓														✓		
Integrated Circuits		✓	✓	✓			✓	✓									✓	✓		
Pulse Transformers				✓								✓								
Switchable Current Regulators		✓																		
Thyristor Module Accessories		✓																		

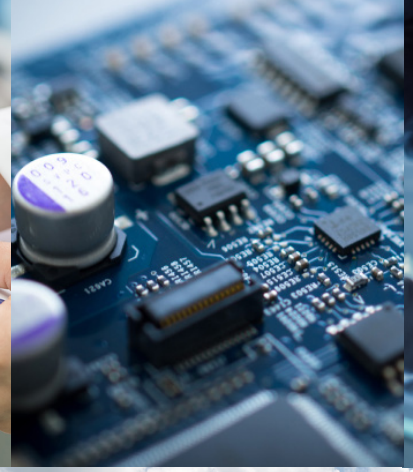
	GD RECTIFIERS	IXYS	IXYS UK WESTCODE	SEMIKRON innovation+service	SEMTECH	DYNEX	VISHAY	Bi-Sonic	EATON Bussmann	ECHOFF	GCI	SIRIO Inductive Components	united automation	MERSEN	OCRAM POWER ELECTRONICS	POWERSEM	Fuji Electric	infineon	apicapacitors	TELCON
Semiconductors																				
Rectifiers	✓	✓		✓	✓	✓	✓				✓							✓		
Thyristors	✓	✓	✓	✓		✓	✓													
GTO Thyristors			✓				✓													
Sensors & Transducers																				
Current Transducers												✓								✓
Voltage Transducers												✓								✓
Power Assemblies & Controllers																				
Firing Circuits/Trigger Modules													✓							
Photovoltaic Triple Diode Assemblies	✓														✓					
Power Assemblies	✓		✓	✓		✓														
Rotating Diode Assemblies	✓														✓					
Selenium Rectifiers & Suppressors	✓																			

	GD RECTIFIERS	IXYS	IXYS UK WESTCODE	SEMIKRON innovation+service	SEMTECH	DYNEX	VISHAY	united automation	ECHHOFF	EATON Bussmann		SIRIO Inductive components	ENERDOOR	MERSEN	Fuji Electric	POWERSEM	Littelfuse	infineon	ATC	SIBA Sicherungen | Fuses
Circuit Protection																				
Fuse Gear										✓				✓						✓
Fuses			✓							✓				✓			✓			✓
Surge Arresters													✓	✓			✓			
Varistors	✓																			
LED Protectors																	✓			
Arch Flash Detection																	✓			
Surge Protection Modules																	✓			
Breakover Diodes	✓																			
Dv/Dt Suppresion	✓																			
Selenium Transient Suppressors	✓																			
Electronic Ignition Systems									✓											
Ignition Transformers									✓											
Flat Transformers									✓											
High Frequency Ignition Systems									✓											
Safety Transformers									✓											
EMI-RFI Filters													✓							
Harmonic Filters													✓							
DC Filters													✓							
Medical & Military Filters													✓							
Parallel Filters													✓							
Motor Protection													✓							
Voltage Stabilisers													✓							
Power Factor Correction													✓							

	GD RECTIFIERS	IXYS	IXYS UK WESTCODE	SEMIKRON innovation+service	SEMTECH	DYNEX	VISHAY	ATC	united automation	BURNDY	EATON Bussmann	ENERDOOR	Littelfuse	melin	melin	POWERSEM	TELCON	Fuji Electric	sirio Inductive components	Infineon
Heatsinks & Hardware																				
Air Cooled Heatsinks	✓		✓	✓																
Aluminium Heatsinks	✓		✓	✓																
Hollow Fin Heatsinks	✓																			
Solid Fin Heatsinks	✓		✓	✓																
Forced Air Cool Heatsinks	✓																			
Water/Oil Cooled Heatsinks	✓																			
LED Heatsinks	✓																			
Heatsink Accessories	✓																			
CNC Machining	✓																			
Closed Loop Water Coolers								✓												
Water to Water Heat Exchangers								✓												
Thermal Compound										✓										
Power Supplies & Transformers																				
Current Transformers																			✓	
HF & Pulse Transformers																			✓	
Isolating & Safety Transformers														✓	✓					
Current & Pulse Transformers																			✓	
Current & Voltage Transformers																	✓			
Inductors																			✓	
Line Reactors												✓								
Transformer & Mu Metal Cores																	✓		✓	
Current Sensors																	✓			

	GD RECTIFIERS	IXYS	IXYS UK WESTCODE	SEMIKRON innovation+service	SEMTECH	DYNEX	VISHAY	IXYS Integrated Circuits Division	EICHHOFF	ENERDOOR	EATON Bussmann	TELCON	SIRIO Inductive components	ARCOL	Bi-Sonic	POWERSEM	Fuji Electric	infineon	apicapacitors	TELCON
Voltage Transducers												✓								
Power Supplies	✓																	✓		
Passives																				
AC & DC Capacitors	✓	✓														✓			✓	
Custom Designed Capacitors	✓																		✓	
EMC Filters									✓	✓										
Energy Storage Capacitors																			✓	
Film Capacitors	✓						✓									✓				
Inductors & Chokes	✓												✓							
PFC & Power Capacitors																✓				
Resistors	✓													✓						
Snubber Capacitors	✓						✓									✓			✓	
Track Circuit Capacitors																			✓	
Low & Ultra Low Temp. Capacitors	✓																		✓	
Drivers																				
IGBT & MOSFET Gate Drivers		✓					✓													
IGBT Gate Drivers		✓		✓													✓			
Gate Drivers		✓	✓					✓										✓		

	GD Rectifiers	IXYS	IXYS UK Westcode	SEMIKRON	DYNEX	VISHAY	KONCAR	EATON Bussmann	LECHNER	Littelfuse	SIRIO Inductive Components	united automation	ANYSOLAR	MERSEN	Bi-Sonic	OCRAM Power Electronics	POWERSEM	Fuji Electric	Infineon	apicapacitors
Traction Converters & Subsystems																				
Converters for Coaches							✓													
Converters for Trains							✓													
Converters for Trams							✓													
Converters for Locomotives							✓													
Liquid Cooling Systems							✓													
Power Electronic Building Blocks							✓													
Trackside Converters							✓													
Renewable Energy																				
Solar Arc Flash Detection										✓										
Solar Protection Arrays										✓										
Solar Protection Relays										✓										
Solar Surge Protection Devices										✓										
Solar TVS Diodes										✓										
Solar Rated Varistors										✓										
LED Lightning Surge Protection										✓										
Solar Cells													✓							
Solar Modules													✓							
IGBT Modules				✓																
Press Pack IGBTs			✓																	
Phase Control Thyristors	✓		✓																	
LED Heatsinks	✓																			
Photovoltaic Triple Diode Assemblies																✓				



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Connect with us

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