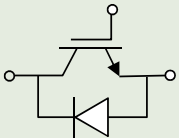
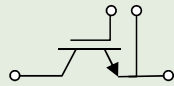


One-stop easy solution completed with IGBTs GSA75AA120 and GSA100AA60



GSA75AA120 APPLICATIONS:

- Welding
- UPS
- SMPS
- Induction heating
- Battery charger

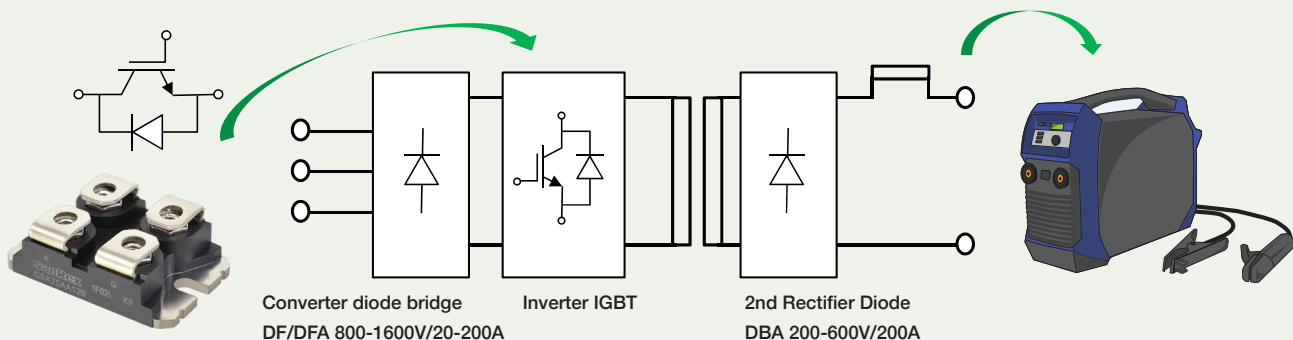


GSA100AA60 APPLICATIONS:

- AC/DC TIG welding
- UPS
- AC switches

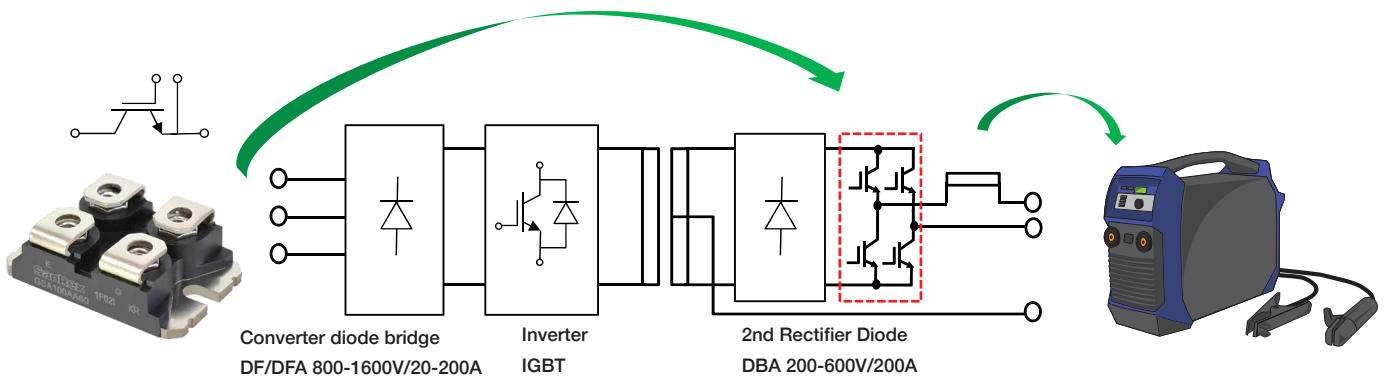
SanRex has taken over a new domain in the realm of power electronics with a release of two IGBTs: a high-speed IGBT GSA75AA120 and a low $V_{CE(sat)}$ IGBT GSA100AA60, both in a SOT-227 standard package.

With its first release in 2004, SanRex-made SOT-227 package has become one of the most well-designed packages in the market, with a structure that is one of the industry's more robust and reliable packages.



GSA75AA120

The high-speed GSA75AA120 has been made to suit exceptionally well with high-end welding and plasma cutting applications. Compared to other IGBTs of the latest generation, GSA75AA120 has a notably better performance in these specific applications.



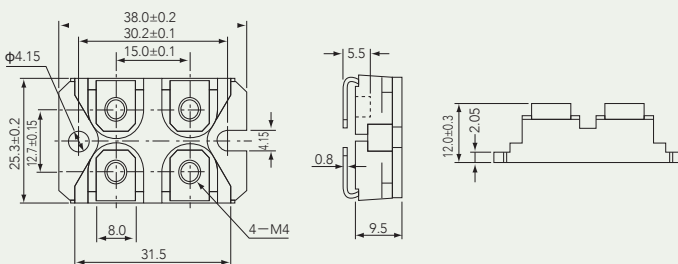
GSA100AA60

The low saturation voltage ($V_{CE(sat)}$) model GSA100AA60 is an excellent fit for applications like AC/DC TIG welding, UPS and other bypass AC switches. It has a very low saturation voltage loss as well as a response speed that is up to several hundred Hz - both characteristics, that are necessary in these specific applications.

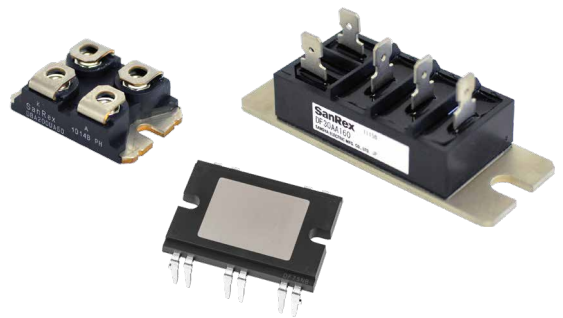
Our decades long experience with applications like welding guarantees first-class technical expertise on how to design products that fit precise, application-specific needs. We designed our first transistor IGBT already in 1994.

PRODUCT	Collector - Emitter Voltage V_{CES}	Collector Current I_c	Collector - Emitter Saturation Voltage $V_{CE(sat)}$			Switching speed $t_{d(on)}$			Switching speed $t_{d(off)}$			Mounting Torque
			min	typ	max	min	typ	max	min	typ	max	
GSA75AA120	1200 V	75 A	2,7 V	3,3 V	3,9 V	-	70 ns	-	-	220 ns	600 ns	1,5 Nm (M4)
GSA100AA60	600 V	100 A	-	1,25 V	1,5 V	-	1200 ns	-	-	9000 ns	-	1,5 Nm (M4)

SOT-227 Measurements



The mounting torque capability is particularly good with a value of 1,5 Nm using a M4 type of screw.



These new releases complete the full set of power semiconductors needed for aforementioned application-specific end-products, as we also offer the essential in-input diodes (e.g. our DF-series) and out-put diodes (e.g. our DBA-series).



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