

Service for high power rectifiers Current distribution measurement



Unsymmetrical current distribution on high power rectifiers results in an accelerated aging process of semiconductors and fuses. The current distribution measurement detects and corrects this.

This service is available for equipment of any brand.

Measurement report

We provide you with a detailed report of your rectifier.

Corrective actions to increase the reliability

Our engineers will recommend corrective actions to increase the reliability of your system.

Exchange of defective semiconductors and fuses

ABB offers you a selective exchange of suspect semiconductors and fuses.

Exchange of all semiconductors and fuses

We provide the opportunity to exchange all of the semiconductors and fuses on demand.

Implementation of suitable components

Our engineers have the „Know-How“ to implement suitable components for current distribution improvement.

Replacement

If necessary ABB will replace the whole rectifier.

Investment planning

All of our benefits facilitate room for investment planning.

The lifetime expectancy of semiconductors and fuses is directly related to the amount of current they have been subjected to. High power rectifiers consist of numerous parallel semiconductors and fuses. Unequal current distribution amongst these parallel components means that some elements are subjected to higher currents than designed for. These components will age at a faster rate and will eventually fail unnecessarily.

ABB supplies
Scope of Supply
Use of current distribution measurement unit COPORE 192
192 synchronous channels
real time measuring system
Survey / measurements on site
Reporting
Customer supplies
Information to be supplied by the customer prior to a quotation
Photographs of the unit
Dimensional drawings
Number of semiconductors
Nominal current / voltage (see nameplate)
Pre-conditions for execution, required customer support
High power rectifier isolated for the installation of the measurement unit
High power rectifier available for operation at different loadsteps
The availability of two electricians to assist (installation of equipment)



3BHS548645 | E01 © Copyright 2013 ABB. All rights reserved.

For more information please contact:

ABB Switzerland Ltd
Service Power Control
CH-5300 Turgi / Switzerland
Phone: +41 58 589 25 67
Fax: +41 58 589 20 90
E-Mail: hpr.support@ch.abb.com
www.abb.com/powerelectronics