

Polaron Cortina 0-60V 0-7000A Thyristor Controlled Rectifier



Stock No	RU704
Model	SCR
Voltage	0-60
Amps	0-7000
Other Info	Rebuilt, Updated and Modified in 2012
Location	Our Central Warehouse, Aldridge, UK
External Dimensions (WxDxH mm)	1760 x 1210 x 1900

Description

A Polaron Cortina 7,000 Amp rectifier offering a thyristor controllable 0-60 Volt output.

Cortina specialise in the manufacture of Variable voltage and current thyristor rectifiers, for anodising, welding and plating applications.

The Polaron Cortina is a primary SCR, single copper wound transformer, DC power supply that was originally employed for a plating/brightening anodizing application.

The Polaron Cortina rectifiers SCR diodes are water cooled allowing it to be used in warmer climes compared to the more traditional UK air cooled units.



Technical details;

Output Voltage Range: 0V - 60VDC

Output Current Range: 0A - 7,000Amps

Features & Benefits.

Highly Efficient all copper transformer construction

Updated Emmerson Mentor II thyristor driver

Water Cooled Domestic and International Voltage Capability

Low Ripple Tight Voltage and Current Regulation

Selectable DC Overload DCCT coils for current feedback.

Technical Specs

Power factor 0.9 at full rated output

Relative humidity up to 95%

Efficiency 85% - 90%

Input Line Variation Standard: +/- 5% from nominal Voltage

Regulation +/- 0.5% of full rated output

Current Regulation 2.8% AC Ripple @ Full Output :

Ramp time 0 - 100% adjustable from 20 to 60 secs

Polaron Cortina

Polaron Cortina three-phase controlled rectifiers have a wide range of applications;

- Electroplating
- Anodising
- Electro-machining
- Testing
- Electro-winning
- Electro-galvanising



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- Electropolishing,
- Electrowinning (electroextraction),
- DC transmission systems,

And water purification to name but a few.

Photographs taken prior refurbishment. Our refurbishment service is not available on all machines.



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