



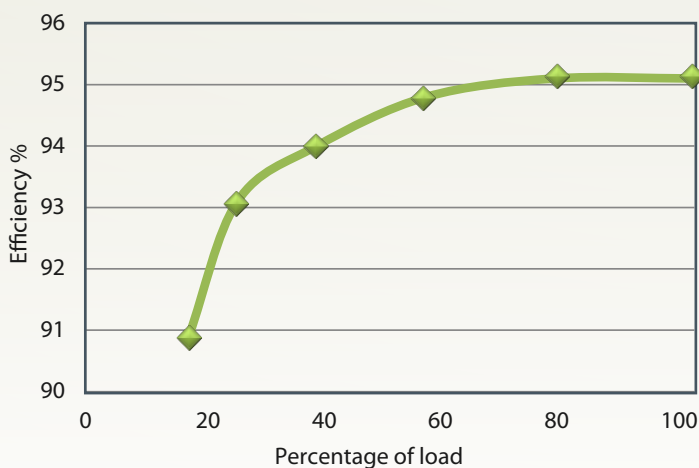
## Rectifier for Electrophoretic



Configuration: 11-3i3F3

- Galvanic insulation of either output poles. Suitable for use in processes that need to put the cathode or anode of the tank to ground
- Current and Voltage control mode
- Ripple < 2% standard (1% on request)
- Current regulation down to 2% of full scale
- Up to 95% efficiency
- Max Output Current capacity for single tower:
  - 270 A for 360 VDC output voltage
  - 225 A for 400 VDC output voltage
  - 200 A for 450 VDC output voltage
- Multitower expansion for higher current requirements

Efficiency curve of rectifier  
at nominal input voltage



New 230A Header





## ELECTRICAL SPECIFICATION

<b>Output</b>	Voltage regulation range	5% - 100%
	Current regulation range	2% - 100%
	Current ripple	< 2% of I <sub>out</sub> max
	Efficiency	> 93% from 25% of load to 100% of load
<b>Main Supply</b>	Line voltage	3 x 400VAC ± 10%, 3 x 440VAC ± 10%, 3 x 480VAC ± 10%
	Frequency	50 - 60Hz
	Neutral	NOT USED
	Power factor	0,95 typical at rated load

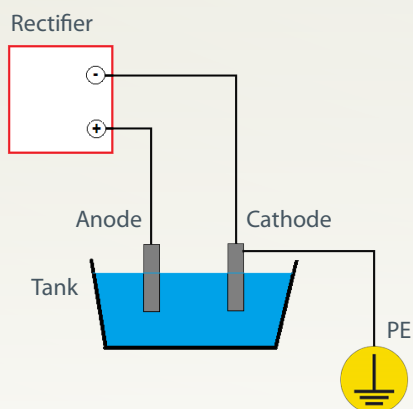
## GENERAL SPECIFICATION

Technology		Switching mode PWM, Full bridge IGBT inverter
Cooling System		Air Cooled
Operation Conditions	Location	Indoor use only
	Ambient temperature	0 - 40°C
	Relative humidity	15 - 85% not condensing
Degree of Protection		IP32
Conformity of EU Directives		2006/95/EC L.V. Directive according to EN60204-1, EN50178
		2004/108/EC EMC according to 61000-6-2, 61000-6-4

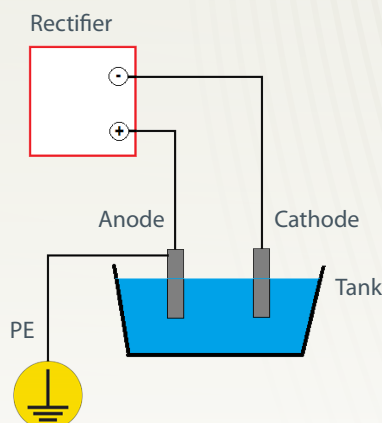


## Type of connection to tank

Cathode connection to PE



Anode connection to PE



Isolated output connection

