



Rectifier for Electrophoretic



- Current and Voltage control mode
- Ripple < 1.5% standard
- · Current regulation down to 2% of full scale
- 95% efficiency
- Galvanic insulation of either output pole. Suitable for use in process that need to put cathode or anode of tank to ground
- 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

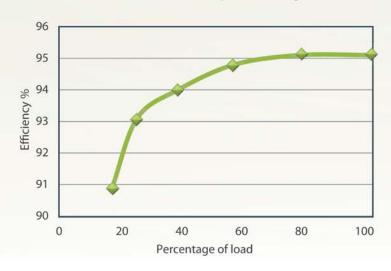
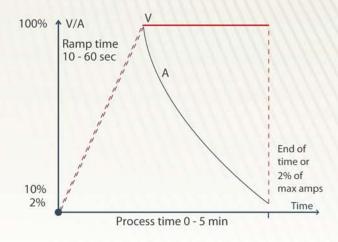


Figure below reports an example of the generated waveform



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ELECTRICAL SPECIFICATION			
	Voltage regulation range	5% - 100%	
	Current regulation range	2% - 100%	
Output	Current ripple	< 2% of lout max	
	Efficiency	> 93% from 25% of load to 100% of load	
Main Supply	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	

25-60 25-60 25-60 27-60 28

GENERAL SPECIFICATION

Technology		Switching mode PWM, Full bridge IGBT inverter	
Cooling System		Cooled Air	
0	Location	Indoor use only	
Operation	Ambient temperature	0 - 40°C	
Conditions	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

