

# HR7 High Frequency Rectifier



## Standard Features

- SCR design for Maximum reliability
- Negligible input harmonics
- Hi / Low Voltage Alarm (Rectifier Failure)
- AC Fail with indication and Form C relay
- Automatic Equalize after discharge
- AC Breaker 2 Pole for Single phase, 3 Pole for 3 Phase
- DC Breaker 2 Pole
- 5" HMI for display and entering control parameters
- MTBF 100,000 Hours
- Communication : Ether-Net, Profibus, Device Net, Control Net Mod Bus TCP/IP.

## Specification

<b>Regulation:</b>	< 0.5% for input variation of 10%
<b>Short Circuit Protection:</b>	Electronic SCP
<b>Enclosure:</b>	NEMA 1
<b>Efficiency:</b>	> 90%
<b>Power Factor:</b>	>0.85
<b>Soft start:</b>	Electronic soft start
<b>Ripple:</b>	4% (2%, 1% optional)
<b>Operation:</b>	0-50 Degree Celsius (-40 Degree Operation Optional)
<b>Operation Mode:</b>	Constant Current with adjustable Voltage limit
<b>Cooling:</b>	Natural Convection, Forced air (High Power), Vortex cooling Optional
<b>Cabinet:</b>	Wall mount, Floor mount Rating dependant (Stainless Steel Optional)

## Input / Output / Approval

<b>Input Voltage:</b>	120, 220, 380, 480, 575, 690, Custom 1 / 3 Phase 50/60 Hz
<b>Output Voltage:</b>	12, 24, 48, 125, 250, 600, Custom
<b>Output Current:</b>	Up to 2500A
<b>Approvals:</b>	CSA, CSA us (UL)