

Centrix-HE 48V/5800

Three Phase Rectifier



The Centrix-HE 48V/5800W is a three phase rectifier which offers significant energy cost saving opportunities when replacing existing high power installations. This rectifier boasts industry leading efficiency of 96% and high power density of 23W/in³. Other features include wide input voltage range and low input current distortion. Installation is simplified with hot-pluggable connectors while fan cooling with speed control ensures near silent operations in central office environments.

Key Features:



High efficiency of 96%



Wide operating input voltage and temperature range



Silent operation and very low audible noise



Designed to work in delta connection



Global compliance



Hot plugin for easy maintenance

Applications:

- Telecom : Hub sites, central offices, core network
- Data centres
- Fixed line applications

Centrix-HE 48V/5800W

Technical Specifications

AC Input

MTBF	320 - 480Vac
Operating Temperature	175 - 530Vac
Storage Temperature	45 - 66Hz
Cooling	12.0A
Humidity	< 5% (50% to 100% Load)
Acoustic Noise	Typical 0.99
Communication Interface	Off <175-530Vac < Off Self-protection upto 540Vac Input line fuses
Galvanic Isolation	
Input to Output	3000 Vac
Input to Ground	1500 Vac
Output to Ground	650 Vdc

DC Output

Voltage	54.0V; Adj: 42.0 - 58.0V
Output Power	5800W, linear derating to 3kW @ 220Vac
Maximum Current	120A @ 48V
Current Sharing	± 5% of max. current
Static Voltage regulation	± 0.5% for 10%-100% load
Dynamic Voltage Regulation	± 5% for 90% - 10% load
Hold up time	>10ms
Ripple Noise	<150 mV p-p 20MHz bandwidth
Output Protection	Over voltage shutdown Short circuit proof Hot-plug inrush current limiting Output fuse Over temperature shut-off
Efficiency	Peak 96% >95% for 30% - 70% load

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