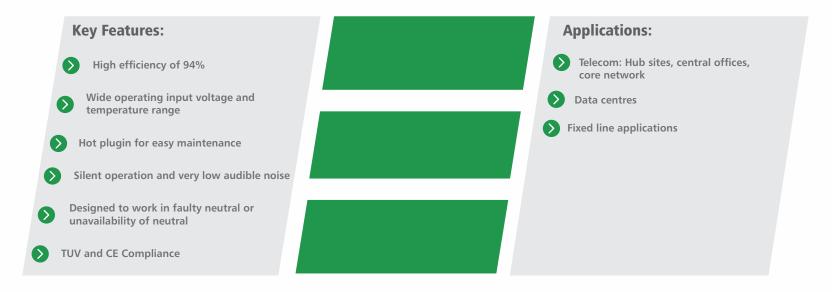


Centrix 48V/5600W Three Phase Rectifier



The Centrix 48V/5600W is a three phase rectifier which offers significant energy cost saving opportunities when replacing existing high power installations. Features include wide input voltage range and low input current distortion. Installation is simplified hot-pluggable connectors and fan cooling with speed control ensures near silent operations in central office environments. System capacity of upto 550KW is possible with Centrix rectifier platform



Centrix 48V/5600W - Technical Specifications



	AC INPUT
Voltage	320 - 480V AC
Frequency	45-66Hz
Maximum Current	12.0A
THD	<10%
Power Factor	Typical 0.99
Input Protection	Off <310 - 490Vac < Off Self-protection upto 580Vac Line & Neutral input fuses
Galvanic Isolation Input to Output Input to Ground Output to Ground	3000 V ac 1500 V ac 500 V ac

i	DC OUTPUT	
	Voltage	54.0V; Adj: 42.0 - 58.0V
	Output Power	5600 W
	Maximum Current	117A @ 48V 52A if two phases are available
	Current Sharing	+/-5% of max. current
	Static Voltage regulation	+/-0.5% from 10% - 100% load
	Dynamic Voltage Regulation	+/-5% for 10% - 90% load
	Dynamic Voltage Regulation	+/-5% for 90% - 10% load
	Hold up time, Max Op. Power	>10ms; output voltage > 42Vdc
	Ripple Noise	<200 mV p-p 30MHz bandwidth
	Output Protection	Over Voltage Shutdown Short Circuit Proof Inrush current limiting fuse Over Temperature Shut-Off

Peak 94%

Specifications are subject to change without notice

OTHER SI	PECIFICATIONS
Operating Temperature	-40 to +75°C, Linear Derating from 50°C onwards
Storage Temperature	-40°C to +85°C
Cooling	5% to 95% non-condensing
Humidity	Forced Air
Acoustic Noise	Less than 55dB(A)
MTBF	>300,000 hrs. (25°C ambient)
Communication Interface	CAN bus
Control & Monitoring	M1000 controller
Dimensions Weight	144 x 176 x 420 (mm) 9.8 kg
LED Indications Green Yellow (Alarms)	On: No Faults Flash - Rectifier comm. Ok Slow flash - Sleep mode On - Input low / high, Rectifier
Red (Alarms)	in power de-rate mode Current limit Flash - Rectifier Comm. fail On - Abnormal temp or input shutdown, Low O/p voltage alarm, Overvoltage shutdown on output Flash - Rectifier fan fail

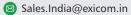
APPLICABLE STANDARDS		
Electrical Safety	EN 60950	
EMC/EMI	EN 55022, Class B	
Environmental	EN 300 019-2-1/-2/-3	

	PART NO. DESCRIPTION
HE-513020	Centrix 48V/5600W SMR

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