

# CXA20 Series

Single and dual output

For the most current data and application support visit [www.artesyn.com/powergroup/products.htm](http://www.artesyn.com/powergroup/products.htm)

INPUT VOLTAGE	OUTPUT VOLTAGE	OVERVOLTAGE PROTECTION (2,3)	OUTPUT CURRENT (MAX.)	TYPICAL EFFICIENCY	MODEL NUMBER (10,11)
18-75 Vdc	3.3 V	3.7 V	6 A	80%	CXA20-48S3V3J
18-75 Vdc	5 V	6.67 V	4 A	83%	CXA20-48S05J
18-75 Vdc	12 V	14.25 V	1.66 A	83%	CXA20-48S12J
18-75 Vdc	±5 V	6.67 V	2 A ea.	84%	CXA20-48D05J
18-75 Vdc	±12 V	14.25 V	0.83 A ea.	84%	CXA20-48D12J

## Notes

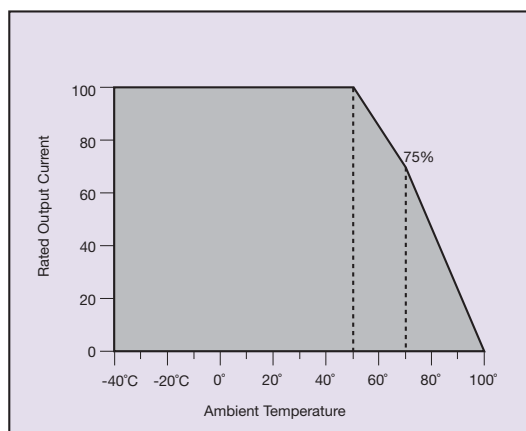
- Negative output voltage deviation when either load is changed.
- For TVS/Zener specifications please see Application Note 107.
- On dual output models, OVP protection is on positive outputs only.
- With respect to minimum input voltage.
- With one external 4  $\mu$ F capacitor across the input.
- Unit provides basic insulation up to the 75 Vdc maximum input voltage.
- Maximum continuous output power not to exceed 20 Watts.
- User must provide 2 A HRC (recommended) in line fuse in order to comply with safety approvals.
- Download Application Note 107 and the full data sheet from our website.
- The 'J' suffix indicates that these parts are Pb-free (RoHS 6/6) compliant. TSE RoHS 5/6 (non Pb-free) compliant versions may be available on special request, please contact your local sales representative for details.
- NOTICE: Some models do not support all options. Please contact your local Artesyn representative or use the on-line model number search tool at <http://www.artesyn.com/powergroup/products.htm> to find a suitable alternative.

## PIN CONNECTIONS

PIN NUMBER	SINGLE OUTPUT	DUAL OUTPUT
1	+ Input	+ Input
2	- Input	- Input
3	No Pin	No Pin
4	Remote On/Off	Remote On/Off
5	No Pin	+ Output
6	+ Output	Common
7	- Output	- Output
8	Trim	Trim

## MAX. TEMPERATURES FOR FULL RATED OUTPUT CURRENT

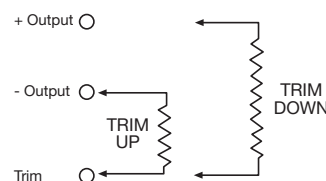
MODEL	FULL Vin RANGE	Vin <60 Vdc
48S3V3J	50 °C	50 °C
48S05J	55 °C	60 °C
48S12J	50 °C	55 °C
48D05J	55 °C	60 °C
48D12J	50 °C	60 °C



Derating Curve Output Current vs Temperature S3V3J  
Natural Convection (<0.1 m/s airflow)

## EXTERNAL OUTPUT TRIMMING

All models can be externally trimmed by  $\pm 10\%$  using either method shown below. See Application Note 107 for details.



**CAUTION: Hazardous internal voltages and high temperatures. Ensure that unit is not user accessible.**

## International Safety Standard Approvals



UL/cUL CAN/CSA 22.2 No. 60950-00 : UL 60950  
File No. E174104  
VDE Certificate No.112836. File No. 10401-3336-0154  
CB Report and Certificate to IEC60950, Licence No. 121914

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