



### Features:

- 120W Single Output - Regulated
- Output Range: 12V - 48VDC
- Input: 90 - 264VAC , 47 - 63Hz
- Low Standby Power
- Fully Isolated Pri - Sec 3000Vrms
- 100% Full Burn-in Test
- LED Indicator DC On, DC Low

Part Number	Power Rating Watts	Output Voltage (Vdc)	Output Current (mA)	Ambient Temp. (°C)	Efficiency Typical	Input Range
VTX-211-120-112	96	12	8000	70	>82%	90 - 264VAC
VTX-211-120-124	120	24	5000			
VTX-211-120-148	120	48	2500			
<b>Note: Other output voltages are available upon request.</b>						

### Application:

- Process Control
- Factory Automation
- Traffic & Transportation System
- Industrial Applications

Please contact Vigortronix for any enquiries. Products can be altered to suit custom requirements.  
The information contained in this document is subject to change without notice.

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Model: 120Watt		Specification		
Model		VTX-211-120-112	VTX-211-120-124	VTX-211-120-148
<b>OUTPUT</b>	Voltage DC	12V	24V	48V
	Rated Power	96W	120W	120W
	Rated Current	8.0A	5.0A	2.5A
	Current Range	0 - 8.0A	0 - 5.0A	0 - 2.5A
	Voltage Tolerance	2%	2%	2%
	Voltage Adj. Range	11V - 14V	23V - 28V	47V - 55V
	Minimum Load	0	0	0
	Ripple / Noise Typical	100mV	120mV	240mV
	Line Regulation	2%	2%	2%
	Load Regulation	3%	3%	3%
	Rise Time (115VAC)	560mS	560mS	560mS
	Hold Up Time (115VAC)	20mS	20mS	20mS
	Note:	The ripple values are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with 0.1uF & 47uF parallel capacitor under ambient temperature 25°C at rated input voltage and rated load		
<b>INPUT</b>	Voltage Range	90 - 264VAC /	90 - 264VAC	90 - 264VAC
	Input Frequency	47 - 63Hz	47 - 63Hz	47 - 63Hz
	Efficiency	>82%	>85%	>86%
	Current	2.6A (115VAC) / 1.30A (230VAC)		
	Inrush Current	30A (115VAC) / 60A (230VAC)		
	Leakage Current	<0.25mA		
	No Load Power	4W		
<b>Protection</b>	Over Current	10A	6.6A	3.3A
	Over Voltage	20V	33V	66V
	Short Circuit Protection	Hiccup mode, it will recover automatically after fault condition is removed		
	Over Temperature	Over temperature protection value: 100±10°C		
	Surge Voltage (L - N)	2KV		
<b>Dielectric Isolation</b>	Isolation Voltage	I/P-O/P: 3KVac, I/P-FG: 1.5KVac, O/P-FG: 1.5KVac		
<b>Environment</b>	Operating Temperature	-25°C - +70°C (With Derating)		
	Operating Relative Humidity	Non Condensing 20 - 95%		
	Storage Temperature	-40°C - +85°C (Humidity 5 ~ 95% RH)		
	<b>MTBF</b>	>200,000Hrs @ 25°C (MIL-HDBK-217F)		
	Weight	800g		
	Cooling Method	Free Air Convection		
	Mounting	Vertical		
<b>Safety</b>	Compliant Standards	UL/IEC/EN60950-1		
<b>EMC</b>	EMI / EMS	EN 55022:2010+AC:2011 (CISPR 22:2008) ClassB EN 61000-3-2:2014 (IEC 61000-3-2:2014) EN 61000-3-3:2013 (IEC 61000-3-3:2013) EN 55024:2010 (CISPR 24:2010)		

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