



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			
Note: Other output voltages are available upon request.						

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
OUTPUT	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		
INPUT	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		
Protection	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		
Dielectric Isolation	Isolation Voltage	I/P-O/P: 3KVac, I/P-FG: 1.5KVac, O/P-FG: 1.5KVac		
Environment	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)		
	MTBF	>200,000Hrs @ 25°C (MIL-HDBK-217F)		
	Weight	800g		
	Cooling Method	Free Air Convection		
	Mounting	Vertical		
Safety	Compliant Standards	UL/IEC/EN60950-1		
EMC	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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