



Features:

- 100W Compact plastic Din Rail mount PSU
- Wide AC & DC Input 85V to 264VAC, 120-370VDC
- Temperature range -40°C to +70°C
- Output Range: 12V - 24VDC
- Low Standby Power 0.4W
- Low ripple & noise
- Fully Isolated Input - Output >4000Vrms
- Over Voltage Class III (EN61558-1)
- Safety: Class II
- Materials: UL94-V0
- IEC/EN/UL62368, EN61558
- 3 Year Warranty



Description

VTX-211-100-2## is a plastic enclosed Din Rail mountable AC-DC power supply . It features a wide input range accepting either AC or DC voltage, high efficiency, low power consumption and CLASS II reinforced insulation. The products offer a high level of stability and immunity to noise, compliant with international IEC62368 standards for EMC and safety sepecifitions meet IEC/EN61000-4, CISPR32, EN55032, UL62368, IEC62368 and EN62368. These light weight AC-DC converters also have an extremely compact design for space saving and are ideal for applications such as industrial control equipment machinery and all kinds of applications in a harsh environment.

Selection Guide

Part Number	Power Rating Watts	Output Voltage (VDC)	Output Current (Amp)	Output Voltage Adj. (V)	Ambient Temp. (°C)	Efficiency Typical	Capacitive Load (uF)
VTX-211-100-212	90	12	7.5	10.8 ~ 13.8	70°C	>88%	10000
VTX-211-100-215	97	15	6.5	13.5 ~ 18.0			6400
VTX-211-100-224	100	24	4.2	21.6 ~ 29.0			2500
VTX-211-100-248	100	48	2.1	43.2 ~ 55.2			1100

Note: Other output voltages are available upon request.

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.

Vigortronix, 16 De Havilland Way, Witney, Oxfordshire, OX29 0YG, UK
Tel. +44 (0)1993 777570 Web. www.vigortronix.com, E-mail: sales@vigortronix.com
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Input Specification					
Item	Conditions	Min	Typical	Max	Unit
Input Voltage	AC Input	85	-	264	VAC
	DC Input	120	-	370	VDC
Input Frequency		47	-	63	Hz
Input Current	115VAC	-	-	3	A
	230VAC	-	-	1.6	
Inrush Curent	115VAC	-	35	-	
	230VAC	-	70	-	
Leakage Current		0.5mA RMS Max			

Output Specification					
Item	Conditions	Min	Typical	Max	Unit
Output Voltage	10% - 100% Load	-	+/-2	-	%
Line Regulation	Full Load	-	+/-0.5	-	
Load Regulation	10% - 100% Load	-	+/-1.5	-	
Ripple / Noise 20MHz Bandwidth (Peak to Peak Value)	12V	-	-	150	mV
	15V	-	-	150	
	24V	-	-	150	
	48V	-	-	240	
Stand by Power	230VAC	-	0.30	0.4	W
Temp. Coefficient		-	+/-0.03	-	%/°C
Short Circuit Protection		Hiccup, Continuous, Self-recovery			
Over Current Protection		>110 Load, Self-recovery			
Minimum Load		0	-	-	%
Hold-up Time	230VAC Input	-	30	-	mS

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General Specification					
Item	Conditions	Min	Typical	Max	Unit
Dielectric Strength	Input to Output (1Min, 5mA)	4000	-	-	VAC
Insulation Resistance	Input to Output (500VDC)	100			M.Ohm
Operating Temperture		-40	-	+70	°C
Storage Temperture		-40	-	+85	
Storage Humidity		-	-	+95	%RH
Switching Frequency		-	65	-	KHz
Safety Class		CLASS II			
MTBF		>300KHrs @ 25°C (MIL-HDBK-217F)			
Safety Approvals		UL62368, IEC62368-1 EN61558, EN62368			
Cooling Method		Free air convection			
Dimensions		70.00 x 92.66 x 58.00mm			
Weight		235g			

EMC Specification		
Emissions	CE /RE	CISPR32 / EN55032 CLASS B EN55014-1
Immunity	ESD	IEC/EN 61000-4-2 CONTACT +/-6KV EN55014-2
	RS	IEC/EN 61000-4-3 10V/m EN55014-2
	EFT	IEC/EN 61000-4-4
	SURGE	IEC/EN 61000-4-5, EN55014-2
	CS	IEC/EN 61000-4-6 10V/r.m.s. EN55014-2
	Voltage Variation	IEC/EN 61000-4-11, EN55014-2

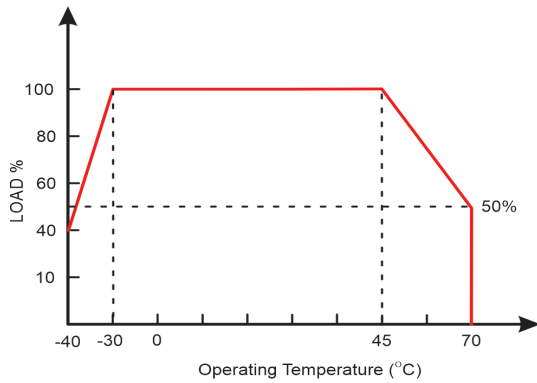
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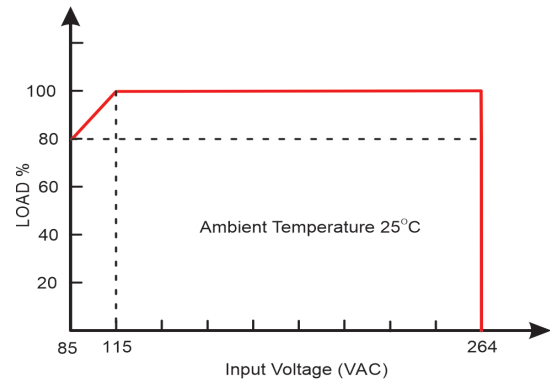
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Derating Graphs

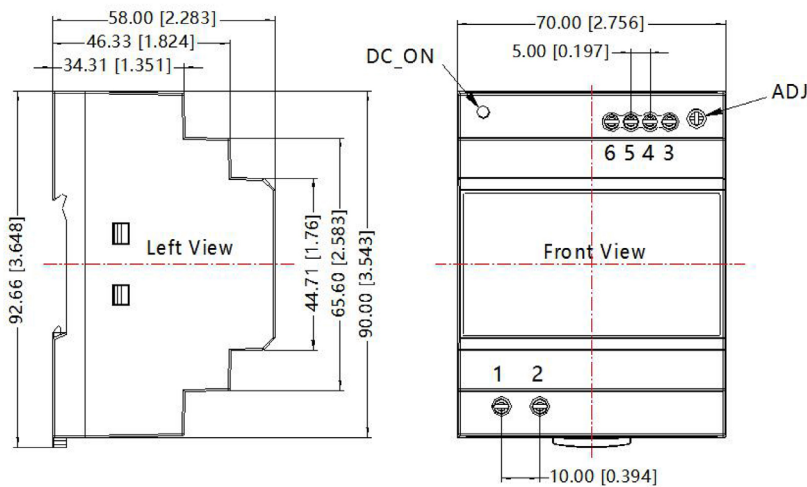
Temperature Derating Graph



Input Voltage Derating Graph



Dimensions



Pin-Out	
Pin	
1	AC(L)
2	AC(N)
3	+Vo
4	+Vo
5	-Vo
6	-Vo

Note:

Unit: mm[inch]

ADJ: adjustable resistance to change output voltage

Wire range: 24-12 AWG

Tightening torque: Max 0.4 N·m

Mounting rail: TS35

General tolerances: $\pm 1.00 [\pm 0.039]$

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