



Features:

- 60W Compact plastic Din Rail mount PSU
- Wide AC & DC Input 85V to 264VAC, 120-370VDC
- Temperature range -40°C to +70°C
- Output Range: 5V - 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-211-060-2## 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-211-060-205	32.5	5	6.5	4.9 ~ 5.5	70°C	>84%	20000
VTX-211-060-212	54	12	4.5	10.0 ~ 13.8			10000
VTX-211-060-215	60	15	6.5	13.5 ~ 18.0			8000
VTX-211-060-224	60	24	2.5	21.6 ~ 29.0			4000
VTX-211-060-248	60	48	1.25	43.2 ~ 55.2			680

Note: Other output voltages are available upon request.

Please contact Vigortronix for any enquiries. Products can be altered to suit custom requirements.
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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	-	-	1.2	A
	230VAC	-	-	0.8	
Inrush Current	115VAC	-	30	-	
	230VAC	-	60	-	
Leakage Current		0.25mA 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)	5V	-	-	100	mV
	12V	-	-	120	
	15V	-	-	120	
	24V	-	-	150	
Stand by Power	230VAC	-	0.30	0.4	W
Temp. Coefficient		-	+/-0.02	-	%/°C
Short Circuit Protection		Hiccup, Continuous, Self-recovery			
Over Current Protection		>120 Load, Self-recovery			
Minimum Load		0	-	-	%
Hold-up Time	230VAC Input	-	80	-	mS

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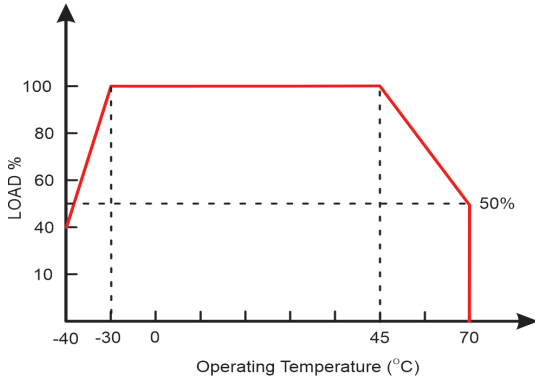
General Specification					
Item	Conditions	Min	Typical	Max	Unit
Dielectric Strength	Input to Output (1Min, 5mA)	4000	-	-	VAC
Insulation Resistance	Input to Output (500VDC)	100			M.Ohm
Operating Temperture		-40	-	+70	°C
Storage Temperture		-40	-	+85	
Storage Humidity		-	-	+95	%RH
Switching Frequency		-	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		92.66 x 52.00 x 58.00mm			
Weight		175g			

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

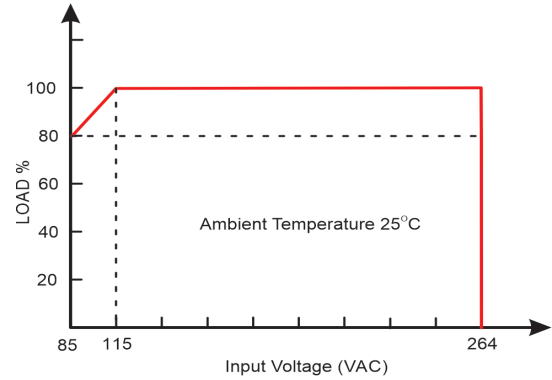
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Derating Graphs

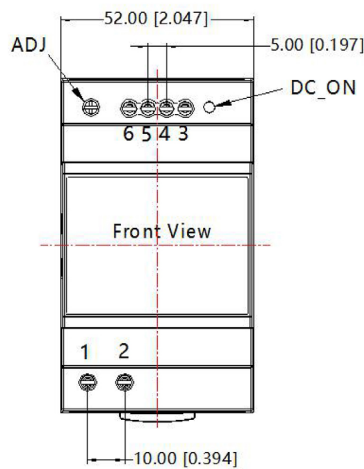
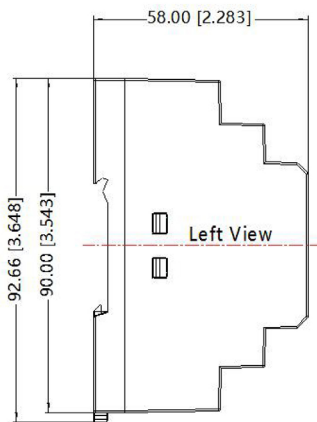
Temperature Derating Graph



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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