



# 100W, 100-250Vac Input Constant Voltage Power Supply

## Constant Voltage Power Supply

Model: XV100W12 UNI  
XV100W24 UNI



Model	Output Current (230V Full Load)	Input Current (120VAC/Full Load)	Input Power (120VAC/Full Load)	Output Power@230V	PF (Full Load)	Efficiency (Full Load)	Output Voltage
XV100W12 UNI	8.33A	1.6A	120W	100W	0.6	84%	12V
XV100W24 UNI	4.16A	1.6A	120W	100W	0.6	84%	24V

### 1. Parameters

category	Item	Technical Norm
Features	Output Type	Constant Voltage
	IP Grade	IP67
	Insulation Class	Class II
	Housing	ABS(fire retardant V0)
Input	Input Voltage	100~250Vac
	Range of DC Input Voltage	127-370Vdc
	Input Frequency	Rated 50/60Hz
	Input Current	0.76Amax. @230V, 1.6Amax. @120V
	Inrush Current	40A
	Leakage Current	5mA max @230Vac
	16A breaker connected Q'ty	13pcs,16A type B / 20pcs 16A type C @230VAC
Output	Ripple & Noise(Max.)	<100mVp-p
	Rated Current	XV100W12 UNI:8.33A , XV100W24 UNI:4.16A
	Rated Power	100W @230V input
	Voltage Accuracy	±1%
	Line Regulation	1%
	Load Regulation	2%
	Setup, Rise Time	1500ms @230VAC
	Efficiency	>85%
Protection	Short Circuit	Hiccup, Auto recovery. The output recovers when short circuit is removed.
	Overload	Active when loading is over 110~120% Output Voltage dropship if overloaded
	Withstand Voltage	I/P-O/P:3000VAC/1min/<5mA



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	Isolation Resistance	I/P-O/P:>100M Ohms/500VDC/25°C/70%RH
Environment	Operating Ambient Temperature	-25°C~+50°C, 20%RH~98%RH, Rated Load ;
	Storage Temperature	-40°C~+80°C; 10%RH~98%RH
Standards	Certification	CE
	Safety Standards	EN61347-1:2015,EN61347-2-13:2014/A1:2017,EN62493:2015
	Performance	EN62384
Others	Lifetime	30,000 hours
	Dimensions	190x52x37mm
	Net Weight	640g
	Wiring	Input
Output		2*0.75mm <sup>2</sup> wire, Red+, Black-,300mm length

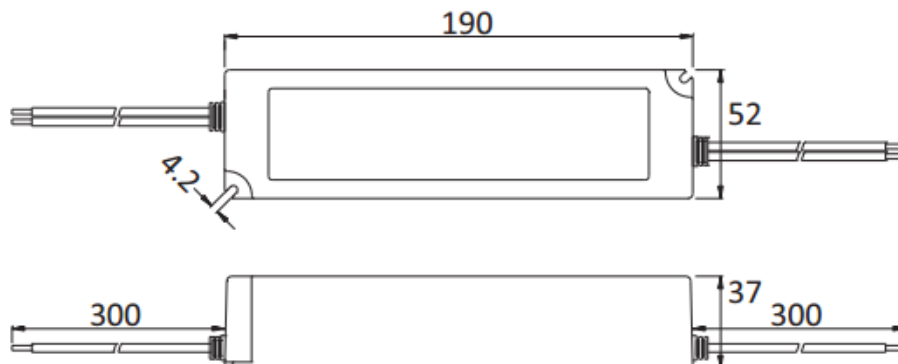
Notes: -Please identify the power supplys input and output before installation.  
 -Ensure correct output + & - wire connection.Power on after wire connection is done.  
 -To avoid voltage drop and loading capacity wasting on the output extension wire,please install the power supply to the loading as near as possible,if must use long extension wires,thicker wires and less loading wattage is required.  
 -The power supply to be installed at good ventilation and cooling environment.

### 2. Packing information

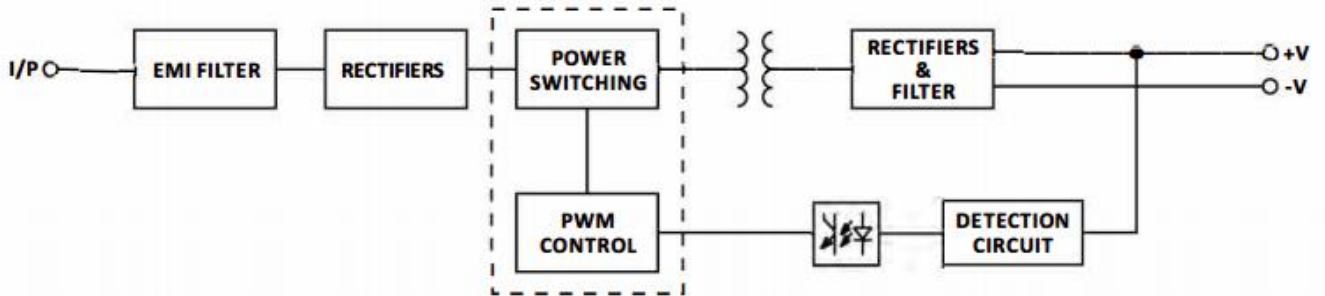
Carton L*W*H(mm)	Product Dimension(mm)	Pcs/Carton	Net weight/ Pcs(kg)	Gross weight / Carton(kg)
350*245*180	190*52*37	20	0.640	14

### 3. Dimension

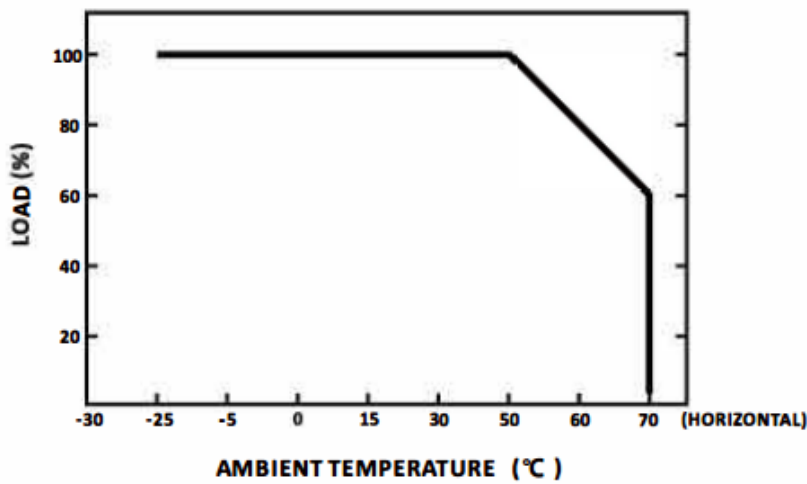
Unit: mm



### 4. Block Diagram



### 5. Derating Curve



### 6. Static Characteristics

