



XV100W24-UNI-NX

Constant Voltage Driver

Model: XV100W24-UNI-NX



Model	Item Code	Output current	Input current	Input power	Output power range	PF	Efficiency	Output voltage	No load voltage
XV100W24-UNI-NX	159950	4.16A	1.60A	120.00W	100.00W	0.9	84%	24V	24V

*** Test result @120V, 50Hz, Full Load.**

1. Parameters

Category	Item	Technical Norm
Features	Output Type	Constant Voltage
	IP Grade	IP67
	Insulation Class	Class II
	Housing	ABS(fire retardant V0)
Input	Rated Input Voltage	100-250VAC
	Range of Input Voltage	127-370Vdc
	Frequency	50/60Hz
	Input Current	1.60Amax. @120V
	Input Power	120.00Wmax. @120V
	Leakage Current	5mA max @230Vac
	Inrush Current	≤40A
	16A breaker connected Qty	13pcs, 16A type B / 20pcs 16A type C @230VAC
Output	Ripple & Noise(Max.)	<100mVp-p
	Rated Current	X100W24 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
	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

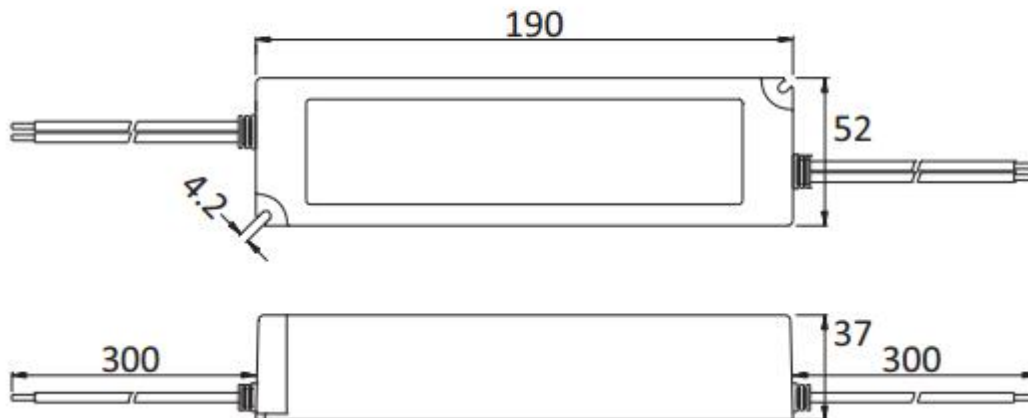
Other	Safety Standards		EN61347-1:2015,EN61347-2-13:2014/A1:2017,EN62493:20 15
	Performance		EN62384
	Lifetime		25,000 hours
	Dimensions		190x52x37mm
	Net Weight		640g
	Wiring	Input	2*0.5mm ² wire, Brown L, Blue N,300mm length
		Output	2*0.75mm ² wire, Red+, Black-,300mm length

Notes:

- Please identify the power supply 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. Dimension

Unit: mm



3. Label

100-250V

○ L (BROWN)

○ N (BLUE)

NEXIVO
— by KGP Electronics GmbH —

Hueckstraße 19
DE-58511 Lüdenschied

LED POWER SUPPLY

MODEL: XV100W24-UNI-NX: 159950

Input Range.....	100-250V AC 50/60Hz
Input Ampere.....	230V: 0.9A; 120V: 1.7A
Output Voltage.....	24V DC
Output Current.....	4.17A
Output Power.....	100W

△ CAUTION: INSTALLATION BY QUALIFIED PERSONNEL ONLY

CE $t_c < 70^\circ\text{C}$
 $t_a < 50^\circ\text{C}$

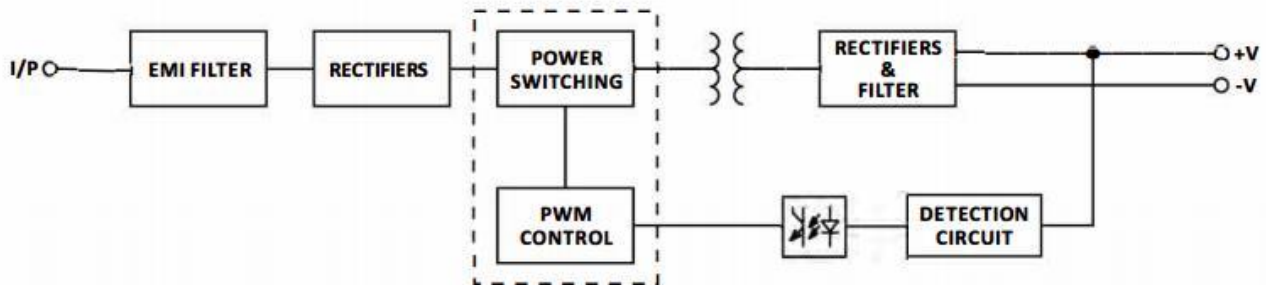
4.17A_{24V}
100W

IP67 Waterproof

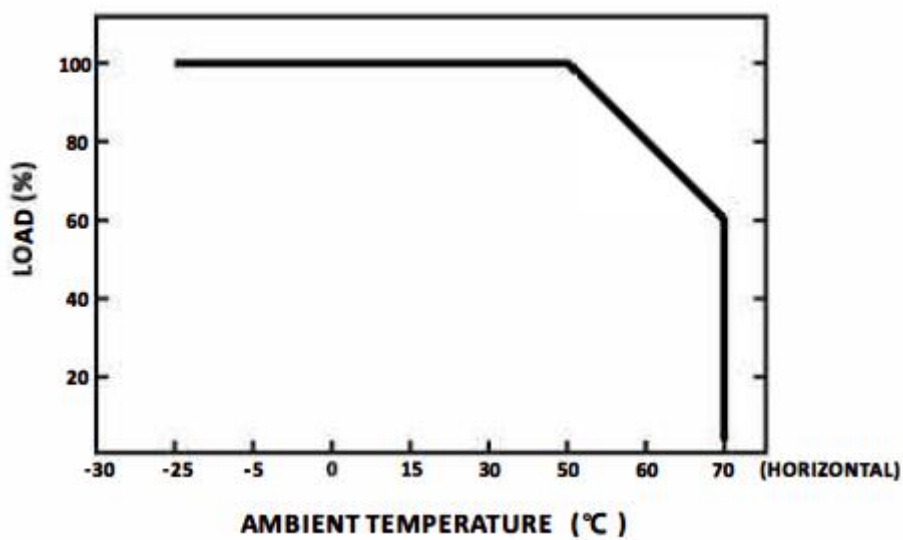
SELV

BLACK - ●
RED + ●

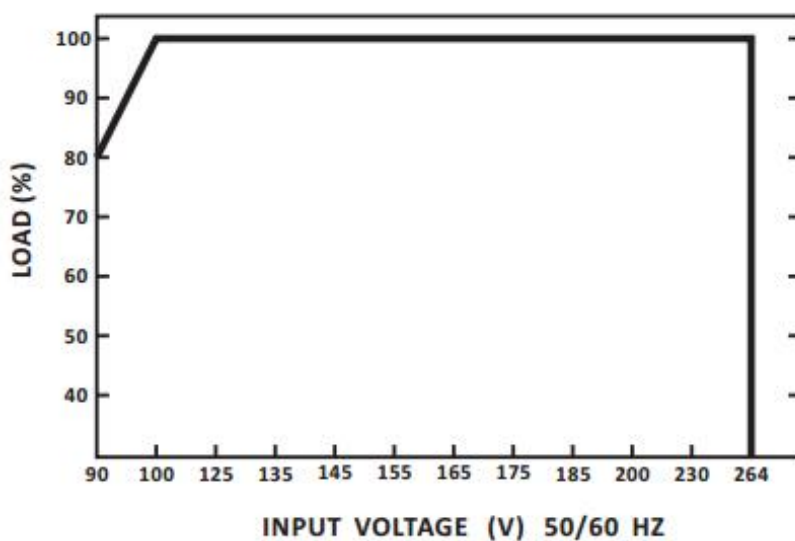
4. Block Diagram



5. Derating Curve



6. Static Characteristics



7. Packing information

Packing way	Model	Carton L*W*H(mm)	Pcs/ Carton	Net weight/ Pcs(kg)	Net weight/ Carton(kg)	Gross weight / Carton(kg)
Standard	XV100W24-UNI-NX	350*245*180	20	0.640	13.00	14.00

8. Ordering data

Model No	Item code
XV100W24-UNI-NX	159950

9. Revision history

Date	Revision	Remark
2026.16.03	V0.01	Product release