

Product Highlights:

- Universal AC input / Full range
- Built-in active PFC function, PF>0.90
- Protections: Short circuit / Over voltage / Over temperature
- Fully enclosed plastic case
- Cooling by free air convection
- IP65 design for indoor or outdoor installations
- Suitable for LED lighting and signage applications
- Compliance to worldwide safety regulations for lighting
- UL8750 Compliant
- Class II power supply
- 3 year warranty

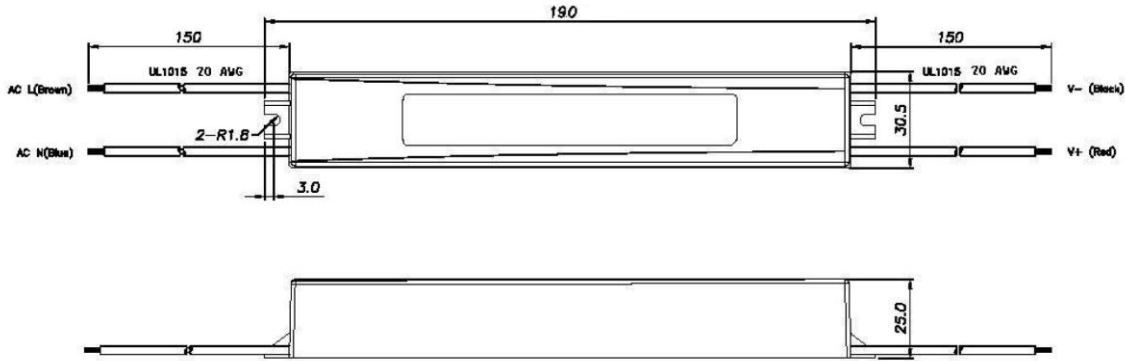

Specification

MODEL	XEL-A024VA-012	XEL-A024VA-018	XEL-A024VA-024	XEL-A024VA-036	XEL-A024VA-048	XEL-A024VA-052	
OUTPUT	DC VOLTAGE	12V	18V	24V	36V	48V	52V
	RATED CURRENT	2100mA	1400mA	1050mA	700mA	520mA	480mA
	RATED POWER	25.2W	25.2W	25.2W	25.2W	24.96W	24.96W
	RIPPLE&NOISE(max)	3V	3V	3V	3V	3V	4V
	VOLTAGE TOLERANCE (1)	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%
	LINE REGULATION	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%
	LOAD REGULATION	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%	±3.0%
	SETUP TIME (max)	2500ms full load 240VAC/120VAC					
INPUT	VOLTAGE RANGE	90 ~ 277VAC 127 ~ 417VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF ≥ 0.90/240VAC PF ≥ 0.98/120VAC at full load					
	EFFICIENCY (Typ.) @ >230VAC, Full load	82%	83%	84%	85%	83%	84%
	AC CURRENT	0.4A/120VAC 0.2A/240VAC					
	INRUSH CURRENT (Typ.)	20A at 240VAC for cold start					
	LEAKAGE CURRENT	<0.25mA / 240VAC					
PROTECTION	OVERLOAD	105 ~ 155% Protection type :Current limiting then voltage derating . Recovers automatically after fault condition is removed					
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition remove					
	OVER TEMPERATURE	Tcase: 90°C ± 10°C Protection type : Shut down, recovers automatically after temperature goes down					
ENVIRONMENT	WORKING TEMP.	-20 ~ + 50°C at Full Load					
	WORKING HUMIDITY	20% ~ 95% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C , 10 ~ 95% RH					
	Case Rating	IP65					
	VIBRATION	10 ~ 500Hz, 2G 3AXES 10min./1cycle, period for 60min. each along X, Y, Z axes					
SAFETY & EMC	SAFETY STANDARDS	EN61347-1, EN61347-2-13, UL8750 recognized Class 2 Output (UL1310 Recognized).					
	WITHSTAND VOLTAGE	I/P-O/P:3750VAC,					
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms/500VDC at 25°C / 70% RH					
	EMI CONDUCTION & RADIATION	Compliance to EN55015,FCC part 15. Complies with the requirements of the Federal Communications Commission (FCC) rules and regulations, Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load.					
	HARMONIC CURRENT	Compliance to EN61000-3-2, class C (≥70% Load)					
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11; EN61547 Light industry level, criteria A					
MTBF	200Khrs min. MIL-HDBK-217F (25 °C)						

OTHERS	DIMENSION	190 * 30.5 * 25.0mm (L*W*H)
	WEIGHT (Typ.)	220 mg
	PACKAGING	50 pcs per carton

Note 1: Voltage Tolerance Includes line regulation, load regulation and set-up tolerance
 Note 2: All specifications not specifically mentioned as measured at 230Vac and 25°C ambient temperature

Mechanical Specification



Drawing Not to Scale

Wiring Details

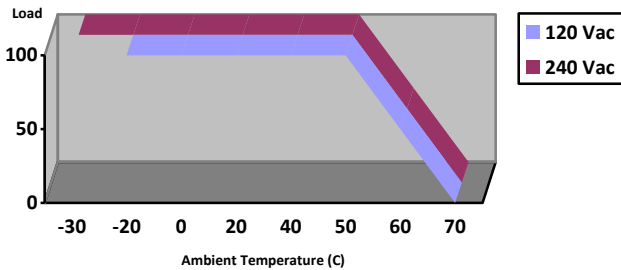
INPUT CABLE

UL1015 20 AWG
 Brown (L) and Blue (N)
 Length: 150±20mm

OUTPUT CABLE

UL1015 20 AWG
 Black (-V) and Red (+V)
 Length: 150±20mm

De-rating curve



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