

Product Highlights:

- Universal AC input / Full range (90~264VAC)
- Built-in active PFC function, PF>0.90
- Protections: Short circuit / Over load / Over temperature
- Fully enclosed plastic case
- Cooling by free air convection
- Withstand 277VAC surge input for 10 seconds
- IP67 design for indoor or outdoor installations
- Suitable for LED lighting and signage applications
- Compliance to worldwide safety regulations for lighting
- UL1310 Compliant
- Class II power supply
- 3 year warranty

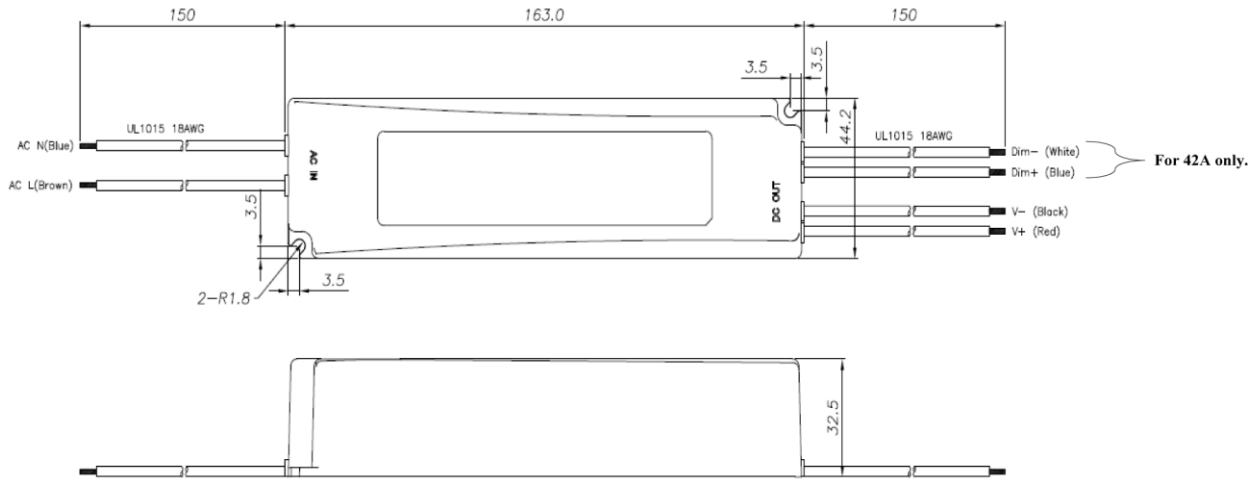

Specification

MODEL		XEL-B035CA-12	XEL-B035CA-24	XEL-B035CA-30	XEL-B035CA-48	XEL-B035CA-42
OUTPUT	DC VOLTAGE	12V	24V	30V	48V	42V
	DC VOLTAGE RANGE	7 ~ 12V	14 ~ 24V	5 ~ 30V	5 ~ 48V	5 ~ 42V
	RATED CURRENT	2500mA	1250mA	1050mA	700mA	700mA
	POWER TOLERANCE	±10%	±10%	±10%	±10%	±10%
	RATED POWER(max)	30W	30W	31.5W	33.6W	29.4W
	RIPPLE&NOISE(max)	3Vp-p	3Vp-p	3Vp-p	4Vp-p	4Vp-p
	VOLTAGE TOLERANCE (1)	±5%	±5%	±5%	±5%	±5%
	EFFICIENCY AT 115VAC	82%	84%	85%	86%	84%
	DIMMING CONTROL	NO	NO	NO	NO	YES
	SETUP TIME (max)	1 Sec./230VAC, 2 Sec./115VAC with full load				
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC				
	FREQUENCY RANGE	47 ~ 63Hz				
	POWER FACTOR (Typ.)	PF ≥ 0.95/115VAC PF ≥ 0.85/230VAC at full load				
	AC CURRENT	0.4A/115VAC 0.2A/230VAC				
	INRUSH CURRENT (Typ.)	60A/230VAC				
	LEAKAGE CURRENT	<0.5mA / 240VAC				
PROTECTION	OVERLOAD	16 ~ 23	28 ~ 35	35 ~ 42	52 ~ 60	48 ~ 53
	SHORT CIRCUIT	Hiccup mode, recovers automatically after fault condition remove				
	OVER TEMPERATURE	Tcase: 95°C±10°C Protection type : Shut down o/p voltage, recovers automatically after temperature goes down				
ENVIRONMENT	WORKING TEMP.	-20 ~ 70°C (Refer to output load derating curve)				
	WORKING HUMIDITY	20% ~ 90% RH non-condensing, -40 ~ +80°C				
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C , 10 ~ 90% RH				
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes				
SAFETY & EMC	SAFETY STANDARDS	EN61347-1, EN61347-2-13 UL1310 Class 2, IP67 Approved.				
	WITHSTAND VOLTAGE	I/P-O/P:3750VAC,				
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms/500VDC/25°C				
	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, EN61000-3-3.				
	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	163*45*33 mm (L*W*H)
	WEIGHT (Typ.)	0.37 Kg.
	PACKAGING	590*224*150mm (L*W*H)

Note 1: Voltage Tolerance Includes line regulation, load regulation and set-up tolerance
 Note 2: All specifications not specifically mentioned as measured at 115Vac and 25°C ambient temperature
 Note3: This range is defined for constant current operation.
 Note4: Ripple & Noise are measured at 20MHz bandwidth with 0.1uf ceramic & 47 uf electrolytic capacitors in parallel.

Mechanical Specification

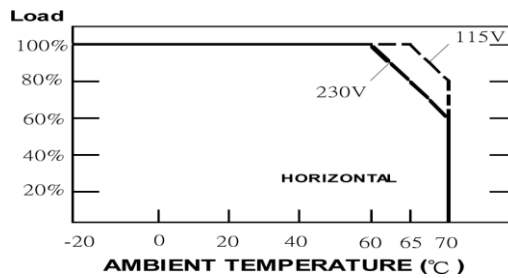


Drawing Not to Scale

Dimming Control



De-rating curve



The information and specifications contained in this data sheet are believed to be accurate and reliable at the time of publication, however Xenerqi Limited assumes no responsibility for damages caused due to potential errors. Also, Xenerqi Limited assumes no responsibility for the use of this product in such way that it infringes on patents or other rights of third parties. No license is granted by implication or otherwise under any patent or patent rights of Xenerqi Limited. Specifications are subject to change without notice.