

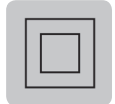


Fuente de alimentación de tensión constante.
Funciona desde 90 ~ 264VAC.
Consigue una alta eficiencia sin ventilador, hasta un 86% gracias a un diseño optimizado y es capaz de funcionar desde -30°C ~ +70°C.

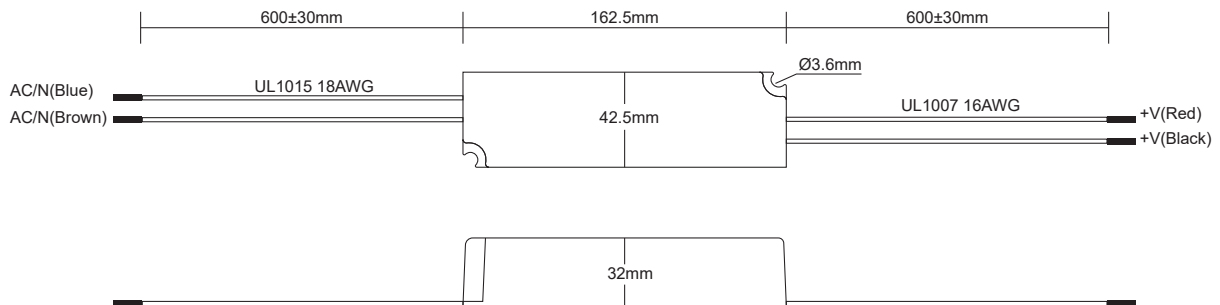
*Constant coltage power supply.
Operates from from 90 ~ 264VAC.
It achieves high efficiency without fan, up to 86% to an optimized design and is capable of operating from -30°C ~ +70°C.*

12-24V
DC

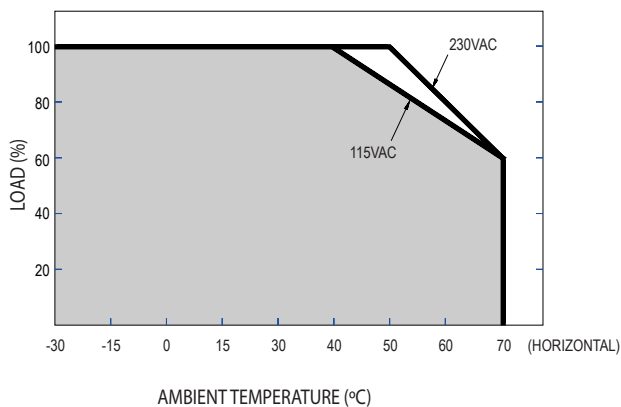
IP67



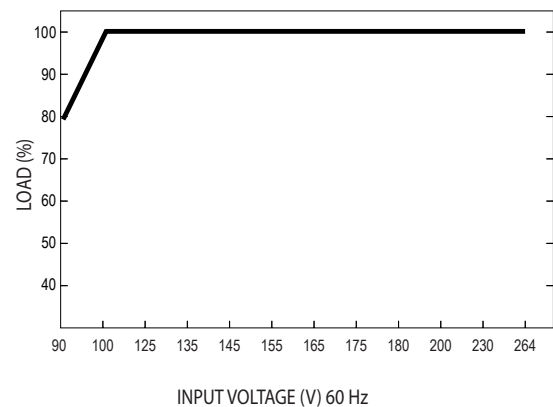
• Medidas / Dimensions



• Curva de reducción / Derating curve



• Características estáticas / Static characteristics



• Características / Characteristics

MODEL	FE60-12	FE60-24
OUTPUT	DC VOLTAGE	12V
	RATED CURRENT	5A
	CURRENT RANGE	0 ~ 5A
	RATED POWER	60W
	RIPPLE & NOISE (max.) (2)	120mVp-p
	VOLTAGE TOLERANCE (3)	±5.0%
	LINE REGULATION	±1.0%
	LOAD REGULATION	±2.0%
	SETUP, RISE TIME (6)	500ms, 20ms / 230VAC 500ms, 20ms / 115VAC at full load
	HOLD UP TIME	50ms/230VAC 16ms/115VAC at full load
INPUT	VOLTAGE RANGE (4)	90 ~ 264VAC 127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY	83% 86%
	AC CURRENT	1.2A/115VAC 1A/230VAC
	INRUSH CURRENT	COLD START 60A (twidth=525µs measured at 50% Ipeak) at 230VAC
	LEAKAGE CURRENT	0.25mA / 240VCA
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed
	OVER VOLTAGE	13.8 ~ 16.2V 27.6 ~ 32.4V Protection type: Shut down o/p voltage, re-power on to recover
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C
	WORKING HUMIDITY	20 ~ 90% RH non-condensing
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH
	TEMP. COEFFICIENT	± 0.03%/°C (0 ~ 50°C)
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes
SAFETY & EMC	SAFETY STANDARDS	UL879, UL1310, CSA C22.2 No. 207-M89, CAN/CSA C22.2 No. 223-M91, IP67, IEC60950-1:2005+A2:2013 approved ; design refer to TUV EN60950-1
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH
	EMC EMISSION	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2 Class A, EN61000-3-3
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A
OTHERS	MTBF	703Khrs min. MIL-HDBK-217F (25°C)
	DIMENSION	162.5*42.5*32mm (L*W*H)
	PACKING	0.4Kg; 32pcs/13.8Kg/0.56CUFT

NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor.
3. Tolerance: includes set up tolerance, line regulation and load regulation.
4. Derating may be needed under low input voltage. Please check the static characteristics for more details.
5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.
6. Length of set up time is measured at first cold start. Turning ON/OFF the power supply may lead to increase of the set up time.
7. The unit might not be suitable for toghting applications in EU countries. Please check with your local authorities for the possible use of the unit.
8. Suitable for indoor use or outdoor use without direct sunlight exposure. Please avoid immerse in the water over 30 minute.