



Fuente de alimentación de tensión constante.
Funciona desde 90 ~ 264VAC.
Consigue una alta eficiencia sin ventilador, hasta un 88% gracias a un diseño optimizado y es capaz de funcionar desde -25°C ~ +70°C.

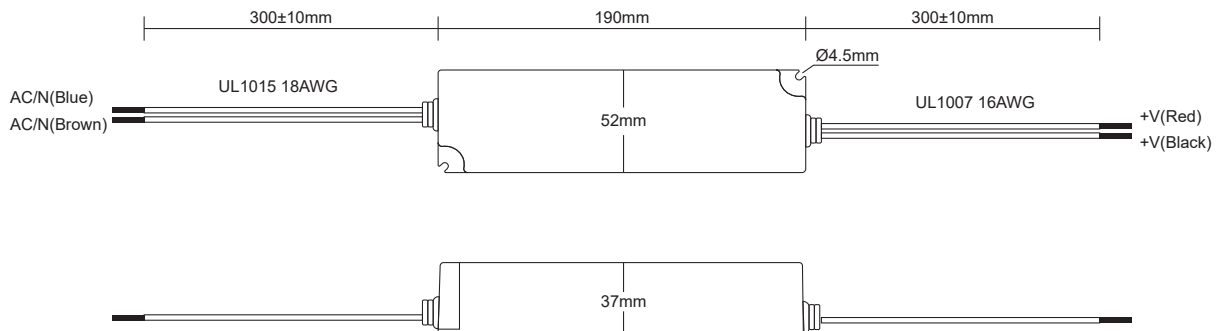
*Constant coltage power supply.
Operates from from 90 ~ 264VAC.
It achieves high efficiency without fan, up to 88% to an optimized design and is capable of operating from -25°C ~ +70°C.*

12-24V
DC

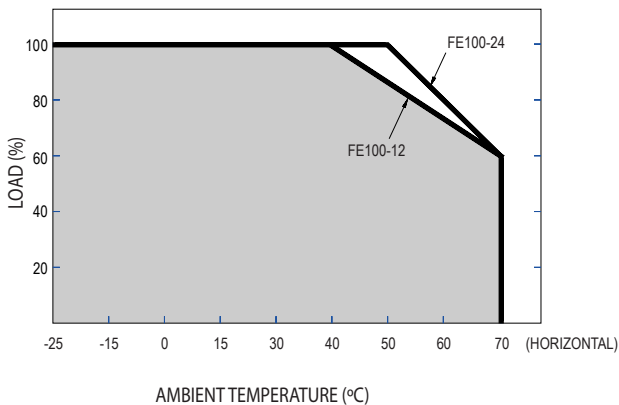
IP67



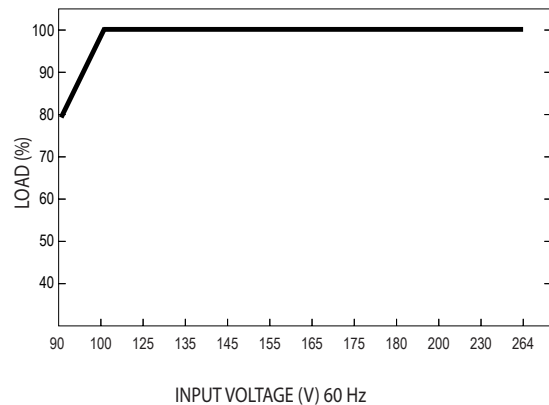
• Medidas / Dimensions



• Curva de reducción / Derating curve



• Características estáticas / Static characteristics



• Características / Characteristics

MODEL	FE100-12	FE100-24	
OUTPUT	DC VOLTAGE	12V	24V
	RATED CURRENT	8.5A	4.2A
	CURRENT RANGE	0 ~ 8.5A	0 ~ 4.2A
	RATED POWER	102W	100.8W
	RIPPLE & NOISE (max.) (2)	120mVp-p	150mVp-p
	VOLTAGE TOLERANCE (3)	±5.0%	
	LINE REGULATION	±1.0%	
	LOAD REGULATION	±2.0%	
	SETUP, RISE TIME (6)	2000ms, 25ms / 230VAC	2000ms, 25ms / 115VAC
	HOLD UP TIME	50ms/230VAC	14ms/115VAC at full load
INPUT	VOLTAGE RANGE (4)	90 ~ 264VAC	127 ~ 370VDC
	FREQUENCY RANGE	47 ~ 63Hz	
	EFFICIENCY	85%	88%
	AC CURRENT	2.2A/115VAC	1.2A/230VAC
	INRUSH CURRENT	COLD START 75A (twidth=700µs measured at 50% Ipeak) at 230VAC	
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	2 units (circuit breaker of type B) / 3 units (circuit breaker of type C) 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.	-25 ~ +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	UL8750, CSA C22.2 No 250.13-12, UL879, CSA C22.2 No.207-M89, BIS IS15885, EAC TP TC 004, IP67 approved. Design refer to 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 EN55032 (CISPR32) Class B, EN61000-3-2 Class A (≤80% load), EN61000-3-3, EAC TP TC 020	
	EMC IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11; EN55024, light industry level, criteria A, EAC TP TC 020	
OTHERS	MTBF	703Khrs min. MIL-HDBK-217F (25°C)	
	DIMENSION	190*52*37mm (L*W*H)	
	PACKING	0.63Kg; 20pcs/13.6Kg/0.55CUFT	

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.
9. The ambient temperature derating of 3.5°C/1000m with fanless models and of 5°C/1000m with fan models for operating attitude higher than 2000m (6500ft).
10. Products sourced from the Americas regions may not have the BIS logo.

