



Fuente de alimentación de tensión constante. Funciona desde 100 ~ 305VAC.

Consigue una alta eficiencia sin ventilador, hasta un 92% gracias a un diseño optimizado y es capaz de funcionar desde -40°C ~ +90°C.

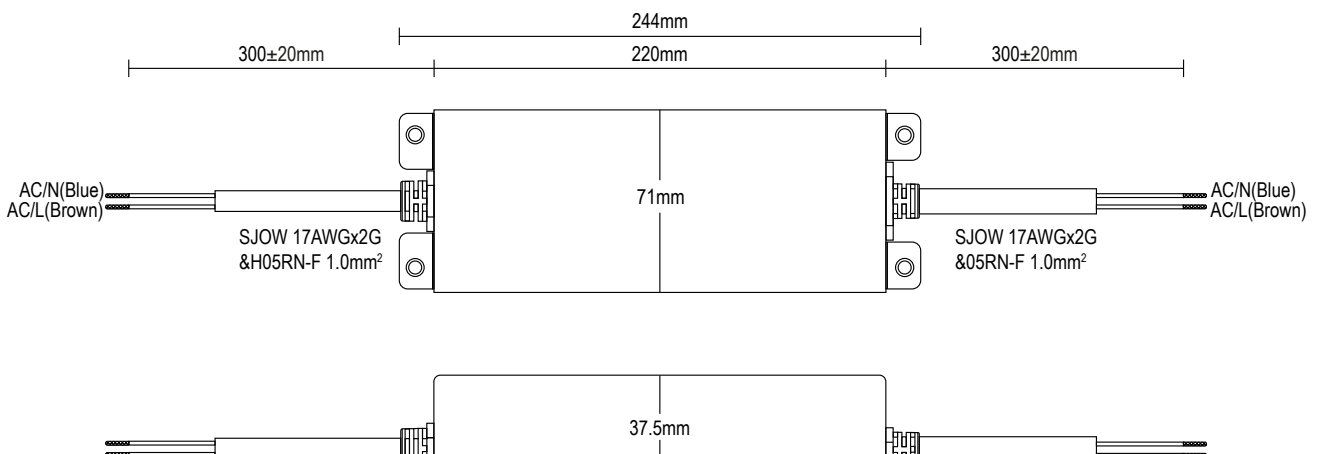
*Constant coltage power supply.*

*Operates from 100 ~ 305VAC.*

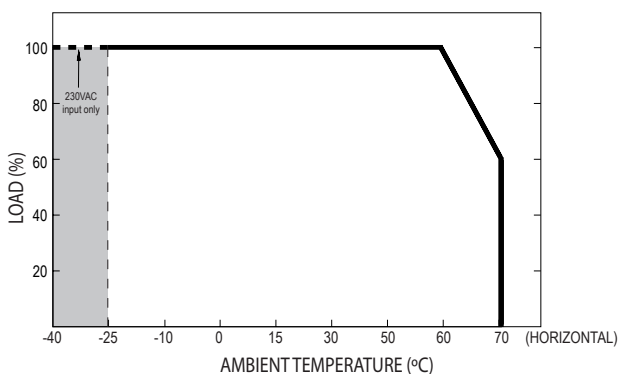
*It achieves high efficiency without fan, up to 92% to an optimized design and is capable of operating from -40°C ~ +90°C.*



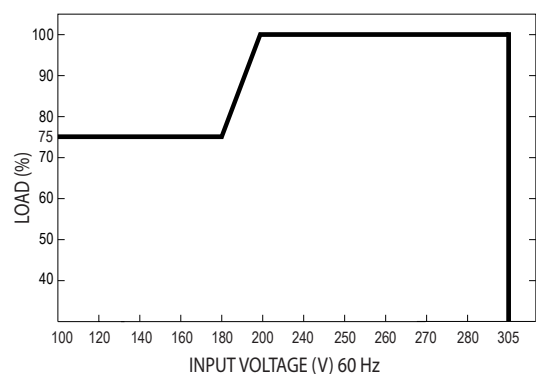
### • Medidas / Dimensions



### • Carga de salida vs temperatura / Output load vs temperature



### • Características estáticas / Static characteristics



• **Características / Characteristics**

MODEL	FH240-24		
OUTPUT	DC VOLTAGE	24V	
	CONSTANT CURRENT (2)	12 ~ 24V	
	RATED CURRENT	10A	
	RATED POWER	200VAC ~ 305VAC	
		240W	
		100VAC ~ 180VAC	
	INPUT	180W	
		RIPPLE & NOISE (max.) (3)	200mVp-p
		VOLTAGE TOLERANCE (4)	±2.0%
		LINE REGULATION	±0.5%
LOAD REGULATION		±0.5%	
SETUP, RISE TIME (6)		500ms, 100ms / 230VAC 1000ms, 100ms/115VAC	
HOLD UP TIME		10ms / 230VAC 10ms/ 115VAC	
VOLTAGE RANGE (5)		100 ~ 305VAC 142 ~ 431VDC	
FREQUENCY RANGE		47 ~ 63Hz	
POWER FACTOR		PF≥0.97/115VAC, PF≥0.95/230VAC, PF≥0.92/277VAC @ full load	
PROTECTION	TOTALLY HARMONIC DISTORTION	THD< 20%(@load≥50%/115V,230VAC; @load≥75%/277VAC)	
	EFFICIENCY	92%	
	AC CURRENT	2.2A / 115VAC 1.5A / 230VAC 1.2A / 277VAC	
	INRUSH CURRENT	COLD START 60A(twidth=510μs measured at 50% Ipeak) at 230VAC; Per NEMA 410	
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	4 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC	
	LEAKAGE CURRENT	<0.75mA / 277VCA	
	NO LOAD POWER CONSUMPTION (7)	No load power consumption <0.5W	
	OVER CURRENT	95 ~ 108%	
	SHORT CIRCUIT	Constant current limiting, recovers automatically after fault condition is removed	
	OVER VOLTAGE	Hiccup mode, recovers automatically after fault condition is removed	
ENVIRONMENT	27 ~ 34V		
	OVER TEMPERATURE	Shut down and latch off o/p voltage, re-power on to recover	
	WORKING TEMP.	Shut down and latch off o/p voltage, re-power on to recover	
	MAX. CASE TEMP.	Tcase= -40 ~ +90°C	
	WORKING HUMIDITY	Tcase= +90°C	
	STORAGE TEMP., HUMIDITY	20 ~ 95% RH non-condensing	
	TEMP. COEFFICIENT	-40 ~ +90°C, 10 ~ 95% RH	
	VIBRATION	±0.03%/°C (0 ~ 60°C)	
	SAFETY & EMC	SAFETY STANDARDS	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes
		WITHSTAND VOLTAGE	CSA C22.2 No. 250.13-12; IEC/EN/AS/NZS 61347-1, IEC/EN/AS/NZS 61347-2-13
ISOLATION RESISTANCE		independent, EN62384; EAC TP TC 004; BIS IS15885; GB19510.14, GB19510.1; IP65 or IP67; KC61347-1, KC61347-2-13 approved	
EMC EMISSION		I/P-O/P: 3.75KVAC I/P-FG: 2KVAC O/P-FG: 1.5KVAC	
EMC IMMUNITY		I/P-O/P, I/P-FG, O/P-FG: 100M Ohms /500VDC / 25°C / 70% RH	
		Compliance to EN55015, EN61000-3-2 Class C (@load 50%) ; EN61000-3-3; GB17625.1, GB17743; EAC TP TC 020; KC KN15, KN61547	
		Compliance to EN61000-4-2,3,4,5,6,8,11; EN61547, light industry level (surge immunity Line-Earth 6KV, Line-Line 4KV); EAC TP TC 02; KC KN15, KN61547	

<b>MODEL</b>	<b>FH240-24</b>	
	<b>MTBF</b>	826.7K hrs min. Telcordia SR-332 (Bellcore); 200.8Khrs min. MIL-HDBK-217F (25°C)
<b>OTHERS</b>	<b>DIMENSION</b>	244*71*37.5mm (L*W*H)
	<b>PACKING</b>	1.22Kg; 12pcs/15.2Kg/0.72CUFT

#### NOTE

1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.
2. Please refer to "DRIVING METHODS OF LED MODULE".
3. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor.
4. Tolerance: includes set up tolerance, line regulation and load regulation.
5. De-rating may be needed under low input voltages. Please refer to "STATIC CHARACTERISTIC" section details.
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. No load/standby power consumption is specified for 230VAC input.
8. The driver 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.
9. This series meets the typical life expectancy of >62,000 hours of operation when Tcase, particularly Tc point (or TMP, per DLC), is about 75°C or less.
11. The ambient temperature derating of 3.5°C/100m with fanless models and of 5°C/1000m with fan models for operating altitude higher than 2000m(6500ft).

