

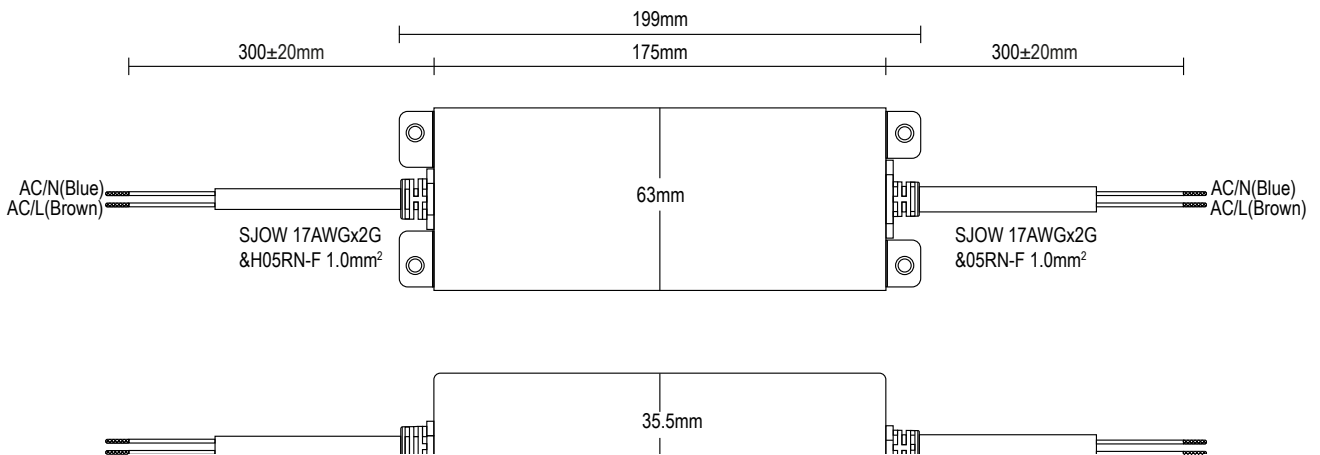


Fuente de alimentación de tensión constante. Funciona desde 100 ~ 305VAC. Consigue una alta eficiencia sin ventilador, hasta un 88% gracias a un diseño optimizado y es capaz de funcionar desde -40°C ~ +90°C.

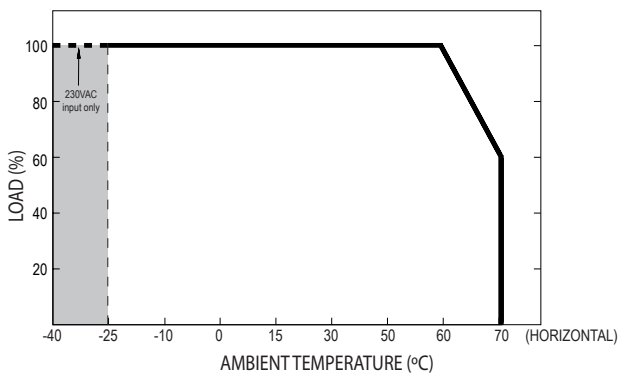
Constant coltage power supply. Operates from 100 ~ 305VAC. It achieves high efficiency without fan, up to 88% to an optimized design and is capable of operating from -40°C ~ +90°C.

- 5**
Warranty
Years
- 12-24 V
DC
- IP20
-

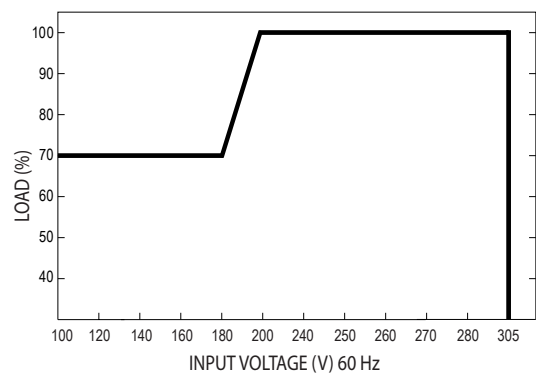
• Medidas / Dimensions



• Carga de salida vs temperatura / Output load vs temperature



• Características estáticas / Static characteristics



• **Características / Characteristics**

MODEL	FH100-24		
OUTPUT	DC VOLTAGE	24V	
	CONSTANT CURRENT (2)	12 ~ 24V	
	RATED CURRENT	4A	
	RATED POWER	200VAC ~ 305VAC	
		96W	
		100VAC ~ 180VAC	
	INPUT	70W	
		RIPPLE & NOISE (max.) (3)	200mVp-p
		VOLTAGE TOLERANCE (4)	±3.0%
		LINE REGULATION	±0.5%
LOAD REGULATION		±1.0%	
SETUP, RISE TIME (6)		1000ms, 80ms / 115VAC 500ms, 100ms/230VAC	
HOLD UP TIME		15ms / 115VAC 10ms/ 230VAC	
VOLTAGE RANGE (5)		100 ~ 305VAC 142 ~ 431VDC continue, 320VAC for 24Hrs; 360VAC for 1Hr	
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%/115VC; @load≥60%/230VAC; @load≥75%/277VAC)	
	EFFICIENCY	88%	
	AC CURRENT	1.1A / 115VAC 0.6A / 230VAC 0.5A / 277VAC	
	INRUSH CURRENT	COLD START 60A(twidth=850μ s measured at 50% Ipeak) at 230VAC; Per NEMA 410	
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC	
	LEAKAGE CURRENT	<0.75mA / 277VCA	
	NO LOAD POWER CONSUMPTION	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	28 ~ 34V		
	OVER TEMPERATURE	Shut down and latch off o/p voltage, re-power on to recover	
	WORKING TEMP.	Tcase= -40 ~ +90°C	
	MAX. CASE TEMP.	Tcase= +90°C	
	WORKING HUMIDITY	20 ~ 95% RH non-condensing	
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH	
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 60°C)	
	VIBRATION	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes	
	SAFETY & EMC	SAFETY STANDARDS	CSA C22.2 No. 250.13-12; IEC/EN/AS/NZS 61347-1, IEC/EN/AS/NZS 61347-2-13 independent, EN62384; EAC TP TC 004; BIS IS15885; GB19510.1, GB19510.14; IP65 or IP67; KC61347-1, KC61347-2-13 approved
		WITHSTAND VOLTAGE	I/P-O/P: 3.75KVAC I/P-FG: 2KVAC O/P-FG: 1.5KVAC
ISOLATION RESISTANCE		I/P-O/P, I/P-FG, O/P-FG: 100M Ohms /500VDC / 25°C / 70% RH	
EMC EMISSION		Compliance to EN55015, EN61000-3-2 Class C (@load≥60%); EN61000-3-3; GB17743, GB17625.1; EAC TP TC 020; KC KN15, KN61547	
EMC IMMUNITY		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 020; KC KN15, KN61547	

MODEL	FH100-24		
	MTBF	978.2K hrs min. Telcordia SR-332 (Bellcore)	282.9Khrs min. MIL-HDBK-217F (25°C)
OTHERS	DIMENSION	199*63*35.5mm (L*W*H)	
	PACKING	0.85Kg; 16pcs/14.2Kg/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. 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.
8. 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.
10. 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).