

Model: LS070P Series / LED Driver

Approvals : 

Features:

- * Universal AC input 100-277Vac.
- * Constant Voltage / Constant Current Operation.
- * Suitable for LED lighting applications.
- * Built-in ACTIVE PFC Function.
- * Protections: OCP / SCP / OTP.
- * IP67 Level design for indoor or outdoor installations.
- * Cooling by free air convection.

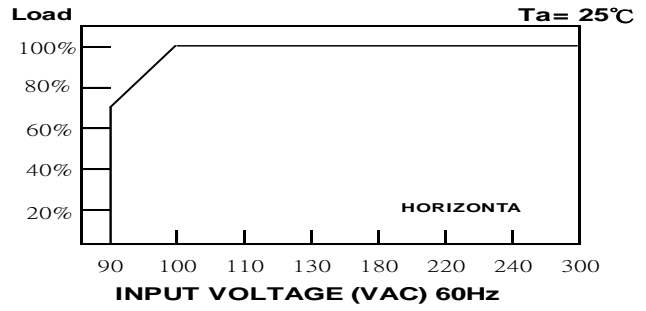
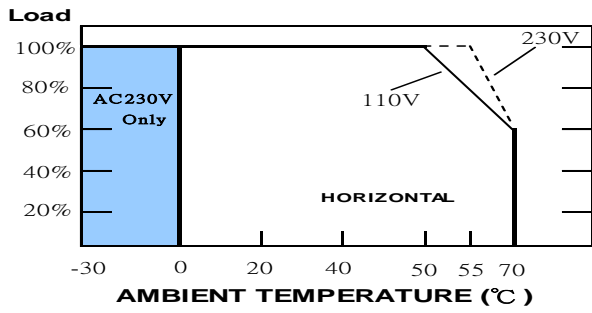
Size : 176 * 68 * 39 mm (L*W*H)



Specifications:

Model No.	LS070P-12	LS070P-24(28V)	LS070P-36	LS070P-48(54V)	
Output	DC Voltage Range <small>Note.2</small>	10 - 12V	18 - 24V(19-28V)	25-36V	33-48V(37-54V)
	Rated Current	4.9A	3.2A(2.1A)	2.1A	1.46A
	Current Tolerance	+5%, -5%	+5%, -5%	+5%, -5%	+5%, -5%
	Rated Power	59W	75W(67W)	75.6W	67W(75W)
	Ripple&Noise(Max.) <small>Note.3</small>	2.5V	3V	4V	4V
	Efficiency at 230Vac(Typ.)	86%	86%	86%	86%
	Voltage Tolerance <small>Note.4</small>	-1 ~ 5%	-1 ~ 5%	-1 ~ 5%	-1 ~ 5%
Input	Voltage Range	90 ~ 305Vac / 127 ~ 373Vdc			
	Frequency Range	47 Hz ~ 63 Hz			
	AC Current (Max.)	2A at 115Vac / 1A at 230Vac			
	Power Factor	>0.98 at 115Vac / ≥0.94 at 230Vac at full load. ≥0.9 at 70% load.			
	Inrush Current (Max.)	65A at 230Vac (COLD STAR)			
	Leakage Current	<0.5mA / 240Vac			
Protections	Over Current	95-108% rated current. Type: Constant current limit and recovers after fault condition disappeared.			
	Short Circuit	Type: Hiccup mode & recovers after fault condition disappeared.			
	Over Temperature	Tcase: 95°C ±10°C Type: Hiccup mode & recovers after fault condition disappeared.			
Environment	Operation Temp.	-20 ~ 50°C at Full Load, 70°C at 60% Load (Refer to output load derating curve)			
	Operation Humidity	20% ~ 90% RH non-condensing.			
	Storage Temp.	-40 ~ +80°C			
	Storage Humidity	10% ~ 90% RH			
	Vibration	10-500 Hz, 2G 10 min./1 cycle, period for 60 min. each along X, Y, Z axes.			
Safety & EMC	Safety Standards	UL8750, EN61347-1, EN61347-2-13, IP67			
	Withstand Voltage	I/P-O/P: 3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC			
	Isolation Resistance	I/P - O/P, I/P - FG : 100M ohms / 500VDC at 25 °C			
	EMI Conduction & Radiation	Compliance to EN55015, FCC part 18			
	Harmonic Current	Compliance to EN61000-3-2 Class C (≥75% Load), EN61000-3-3			
	EMS Immunity	Compliance to EN61000-4-2, 3, 4, 5, 6, 8, 11 Light industry level, criteria A			
Others	MTBF	300K hours min. MIL-HDBK-217F(25°C)			
	Dimension(L*W*H)	176 * 68 * 39 mm			
	Packing(L*W*H)/Carton	591*287*188mm,			
	Weight	20kg			
Note	<ol style="list-style-type: none"> 1. All specifications not specially mentioned are measured at 230Vac and 25 °C ambient temperature. 2. The range is for constant current application. 3. Ripple & Noise are measured at 20MHz bandwidth by using a 12" twisted pair-wire terminated with 0.1uf & 47uf parallel capacitor. 4. Voltage Tolerance: includes line regulation, load regulation and set-up tolerance. 				

Derating Curve



Mechanical Specification

