

50W LED DRIVER SPECIFICATION



Product selling points



Universal input voltage(AC100-277V)
Narrow THD less than 15%



Full sealed insulation treatment, high thermal conductivity aluminum. Alloy shell, Waterproof rating up to IP66



But under the instantaneous 330VAC input up to 5 seconds
Long life design warranty for 3years



Conversion efficiency is as high as 89%



100% full load burn in test, the product is more stable and reliable . Input/output isolation



Built in two levels of lightning protection circuit design>4KV

Scope of Application



Outdoor street light usage



Use of stadium lights

Electrical specifications

MODEL		SHO-50W-0.89A
OUTPUT	RATED CURRENT	890mA
	CONSTANT CURRENT REGION Note	42-56VDC
	RATED POWER	50W
	CURRENT TOLERANCE	±5%
	LINE REGULATION	±5%
	LOAD REGULATION	±5%
	SETUP,RISE TIME	900ms,620ms at full load 220Vac
INPUT	VOLTAGE RANGE Note.5	100~277VAC
	FREQUENCY RANGE	47~63Hz
	POWER FACTOR(Typ.)	PF>0.993/115VAC,PF>0.976/230VAC,PF>0.964/277VAC at full load(Please refer to "Power Factor Characteristic"curve)
	THD	THD<15%
	EFFICIENCY (Typ.)	89%
	AC CURRENT(Typ.)	0.5A/115VAC 0.2A /230VAC 0.16A A/277VAC
	INRUSH CURRENT(max.)	COLD START 60Ax2 at 230VAC
	LEAKAGE CURRENT	<0.76mA/230VAC
	OVER CURRENT(Typ.)Note.4	95~105%Protection type :Constant current limiting,recovers automatically after fault condition is removed
PROTECTION	OVERTEMPERATURE PROTECTION	When the set temperature is reached,the output current is halved
	SHORT CIRCUIT	Hiccup mode,recovers automatically after fault condition is removed
	OVER VOLTAGE	63V
	WORKING TEMP.	-40~+70°C(Refer to "Derating Curve") -40~+70°C
	WORKING HUMIDITY	20~95%RH non-condensing 20~95%RH,
	STORAGE TEMP,HUMIDITY	-40~+80°C,10~95%RH
	TEMP.COEFFICIENT	±0.03%/°C(0~50°C)
	VIBRATION	10~500Hz,5G 12min./1cycle,period for 72min.each along X,Y,Z axes 10~500Hz,
	WITHSTAND VOLTAGE	I/P-0/P:2KVAC I/P-FG:1.5KVAC 0/P-FG:1.5KVAC
OTHERS NOTE	DIMENSION	14.5*5.2*4CM
	WEIGHT	0.41KGS
WARRANTY	WARRANTY	3 YEARS

REMARKS	<ol style="list-style-type: none"> All parameters NOT specially mentioned are measured at 230VAC input,rated load and 25°C of ambient temperature. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47u parallel capacitor. Tolerance :includes set up tolerance,line regulation and load regulation.。 Constant current operation region is within 50%~100%rated output voltage.This is the suitable operation region for LED related applications.。 Derating may be needed under low input voltages.Please check the for more details.
---------	--