

Project Name:	
Type:	

# HLF1018 Series

AC to DC Switch Power Supply  
6 - 18 Watts

## PRODUCT FEATURE

- Compatible with 0-10V dimming controller.
- Lighting outout flicker-free.
- Available in Constant Voltage or Constant Current.
- Waterproof design use for Dry, Damp location.
- Complian Rohs REACH
- UL8750, cUL, FCC CE (EN55015, EN61347)
- 5 Year Warranty (Life@Tc: 80°C 40k Hr.)



## WARRANTY

- See [Limited Warranty Policy](#) for more additional information

## SPECIFICATIONS

<b>AC INPUT RANGE :</b>	90 – 305Vac/ 0.3 – 0.15/ 47 – 63Hz	<b>TURN ON DELAY TIME :</b>	<0.5 Sec.
<b>INPUT INRUSH CURRENT :</b>	<15A/ 115Vac, <30A/ 230Vac	<b>NO LOAD POWER CONSUMPTION :</b>	<0.5W at 277Vac, with lighting off
<b>LEAKAGE CURRENT :</b>	<0.75mA/ 230Vac	<b>ISOLATED DIMMING CIRCUIT :</b>	Yes
<b>SURGE IMMUNITY TEST :</b>	2 KV	<b>OPERATION TEMP. :</b>	-4°C - +60°C, Tc : 90°C
<b>PCF &gt;0.92, THD &lt; 15% :</b>	Input 115V – 230vac at 50% loading up	<b>STORAGE TEMP. :</b>	-40°C - +85°C
<b>THD &lt; 15%, PCF &gt;0.92 :</b>	Input 277V – 60% loading up	<b>MTBF(150°C) :</b>	>50,000 Hours, MIL-217
<b>PROTECTION :</b>	OCP, SCP, OVP, OTP – Auto recovery	<b>SAFETY :</b>	UL8750, CUL, @120Vac, FCC/ B, @277Vac FCC/ B
<b>LOAD REGULATION :</b>	+/-5%	<b>CE (EN55015, EN61547, EN61347, EN6100-3-2 CLASS C)</b>	
<b>DC OUTPU CURRENT RIPPLE/ NOISE P-P :</b>	<5%(@CC), <20%(@CV)	<b>CASE DIMENSION :</b>	126 x 29 x 20 (LxWxH) Weight : 120g tpy.

## MODEL LISTING

MODEL	CONSTANT VOLTAGE MODEL (CV)		CONSTANT CURRENT MODEL (CC)		EFFICIENCY @230 FULL LOAD	MAX WATTS
	VOLTAGE RANGE	OUTPUT CURRENT	CURRENT RANGE (If)	VOLTAGE RANGE (Vf)		
HLF1018-24	20 – 28V	500MA	250 – 500mA	16 – 28V	82%	12W
HLF1018-36	30 – 42V	350mA	150 – 350mA	24 – 42V	83%	12W
HLF1018-28	20 – 28V	900mA	600 – 800mA	16 – 28V	84%	18W
HLF1018-42	30 – 42V	600mA	300 – 600mA	26 – 42V	85%	18W

### HLF1018-XX-Cnnnn-DDDD

**1018** : Single DC Output, 18 Max Watts.

**XX** : Output Voltage (Vf)

**Cnnn** : (Optional or black function), Constat Current Output, C0800= 800mA., C0150= 150mA

**DDDD** : (Optiona or black function), for Constant Current dimming function. (Gry/ D-, Purple/ D+)

**010V + 0-10Vdc** (Off < 1V, 10-100%, D+, D-), or **VR** (10K - 100KΩD+, D-, 10V) or **10V PWM Signal** (D+, D-)

Project Name:	
Type:	

# HLF1018 Series

AC to DC Switch Power Supply  
6 - 18 Watts

## MECHANICAL DRAWING

