

**ADP-150WFP****Constant Current Source for LED drive****Features**

- AC 180-240V high line input voltage
- Constant current output
- 40 ~50V wide constant current operation range
- High PF( PF>0.95)
- Low input current THD (Meet IEC61000-3-2 Class C)
- High Input surge immunity (6KV/ L-L, L-FG)
- Protections for Short circuit, Over load and Over temp.
- Encapsulated, Compact size, IP67
- Long life time over 40.000 Hr
- High efficiency
- RoHS compatible
- KC, KS-Korea, PSE

**Applications**

- LED Lighting
- Advertising Light panel

**Electrical characteristics**

Parameter	Symbol	Conditions	Specification			Unit
			Min	Typ	Max	
Input supply voltage	$V_{IN}$		180	220	240	$V_{AC}$
Input current	$I_{IN}$	$V_{IN}=220V, 120W$	0.54	0.56	0.58	A
Available power input range	$P_{IN}$	$V_{IN}=220V$	100		150	W
Power factor	$\text{Cos}\theta$	$V_{IN}=220V, 120W$		0.97		
Available output current	$I_O$	$V_{IN}=220V$	1800		3000	mA
Available output voltage	$V_O$	$V_{IN}=220V$	40		50	V
No load output voltage	$V_{o-open}$	$V_{IN}=220V$		54		V
Efficiency		$V_{IN}=220V$	86	89		%

**Absolute maximum ratings**

Lower Input supply voltage ( $V_{IN}$ )	-----	180V
Higher Input supply voltage ( $V_{IN}$ )	-----	265V
Maximum output voltage with load	-----	50V
Minimum output voltage with load	-----	40V
Maximum output current ( $I_o$ )	-----	3000mA
Input power	-----	150W
Ambient operating temperature	-----	-20 °C to 50 °C
Storage temperature range	-----	-30 °C to 80 °C
Operating & storage humidity	-----	10 % to 85 %

**Input & Output Cable**

**AC Input** : UL Rated  $0.75\text{mm}^2 \times 3\text{C} - 400 \pm 20\text{mm}$   
 Brown or Black ; AC/Live  
 Blue or White ; AC/Neutral  
 Green/Yellow ; FG

**DC Output** : UL Rated  $1.0\text{mm}^2 \times 2\text{C} - 400 \pm 20\text{mm}$   
 Red ; DC+  
 Black ; DC-

**Mechanical dimensions**

**Weight : 1000g**

